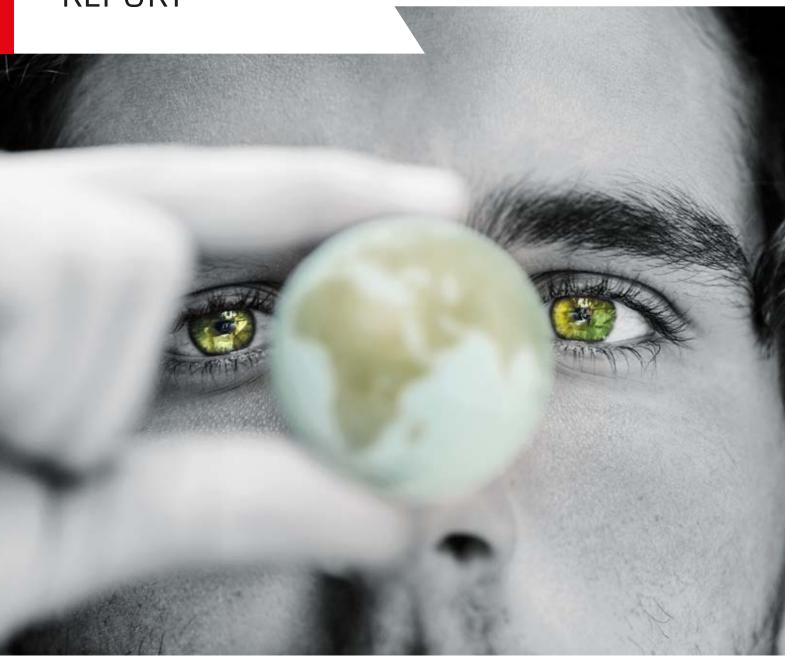
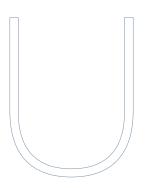
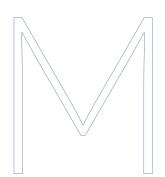


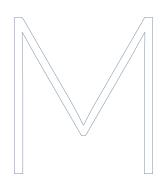
SUSTAINABILITY REPORT













OUR HISTORY, OUR NUMBERS, OUR VALUES

From pneumatic component manufacturers to Industry 4.0 players

page 9

Eleven companies In five Divisions

A Group founded on an ecosystem of industrial and technological skills

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BUILDING A **DIGITAL**, SUSTAINABLE **FUTURE**

Digitisation, innovation and sustainability: our approach to building tomorrow's world

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PREDICTING THE FUTURE WITH INNOVATIVE SOLUTIONS

Technology and innovation to create products and services to improve our customers' environmental and security performance



Camozzi components to combat
Covid-19 / Innovative predictive
maintenance solutions / Advanced energy
consumption models / Towards a
data-controlled supply chain thanks to
machine interconnection / Cobot production
line / TAOMApp / RE-ACT project

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Innovative robots for the **new Genoa bridge**

A unique robotic system for continuous infrastructure monitoring

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MasterPrint®: The largest 3D printer in the world

Greater production efficiency, customisation and cost reduction: the advantages of additive manufacturing

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Giant Magellan Telescope: innovation at the service of knowledge

A telescope whose discoveries may change our view of the universe forever

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DEVELOPING TALENTS IN A DIGITAL WORLD

Training and retraining people with a view to open innovation to provide the technical skills necessary for the Industry 4.0 market

Camozzi Research Centre / Camozzi Academy / We sponsor events that support young people, innovative ideas and a new future

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C CAMOZZI

GROUP

2020 Highlights from the Camozzi World: initiatives for our people

Activities undertaken by our companies around the world to improve the working environment, well-being and growth of workers

page 56



MITIGATING OUR IMPACT

Sustainability: an element that is increasingly intrinsic in our business processes

Whole oil filtration and process water evaporation / Greater circularity for brass, aluminium and steel / Proficient recovery of other materials / Towards greater energy efficiency

page 58

Technology and emission cuts: the pilot plant at Campress

A new way to manage oil fumes and energy consumption

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EXPERIENCING THE COMMUNITY

Our support to associations working in the communities in which we operate

Approach to the Covid-19 emergency: pragmatism and solidarity / Our support for the Brescia area (and beyond) / ActiveSport: sports activities are for everyone / Restoration of the Vittoria Alata / Camozzi for FilmFestival del Garda 2020

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CAMOZZI IN NUMBERS

Brief information about our people and our environmental impact

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This document was prepared with the commitment and collaboration of all the Camozzi Group offices and thanks to the involvement of some entities within our network with whom we have very close ties and develop new production concepts.

We address this report to all our stakeholders, so that they can learn more about our commitments and activities.

Published by

Camozzi Group

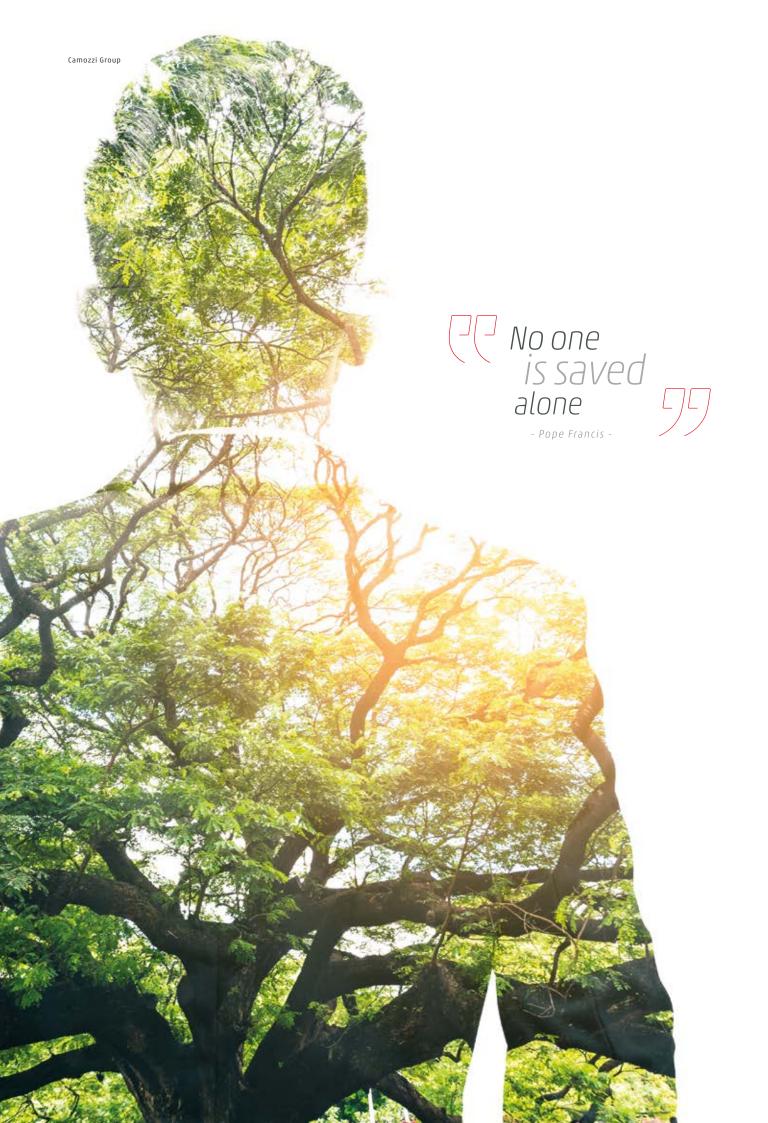
For further information Camozzi Group Tel. +39 030 37921

www.camozzigroup.com

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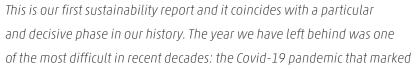
Mix Comunicazione

Concept: Collectibus



The President speaks

LODOVICO CAMOZZI





the year 2020 confronted us with unthinkable socio-economic scenarios. The Camozzi Group placed the health of our employees and their families as the top priority, making sure that all the necessary sanitation measures had been adopted. At the same time, we tried to contribute our technologies to the fight against the pandemic. We are extremely proud of our people: thanks to their contributions and efforts, we have continued to innovate and develop new industrial concepts, creating valuable partnerships and projects for our business and for the communities in which we operate.

However, the year 2020 for the Camozzi Group also represented a significant turning point. The top-quality projects in which we were involved and the relocation of the company's registered office to Milan are sign of broadening horizons and responsibilities. We have thus reflected on the importance of further grounding our role as innovators in Industry 4.0, which increasingly promotes environmental and social management respecting the principles of sustainable development. Digitisation, development of human capital, reduction of the environmental impact and a lively relationship with the local communities constitute the pillars of our strategy, in the belief that "no one is saved alone" (Pope Francis).

For almost 60 years we have been working on a daily basis to contribute to progress and to developing advanced technological solutions that may meet not only the needs of our customers, but also those of the society as a whole. This report testifies to the commitment that we have publicly undertaken to improve our performance and our products in order to increasingly manage our environmental and social impact and that of our customers. We wish to share this journey with you, who have always been an integral part of our business and with whom we have a relationship of trust and respect. We look to the future with constructive gaze, ready to face the upcoming challenges with enthusiasm together.

President and CEO of the Camozzi Group

Moderico (Nemoin

SUSTAINABILITY REPORT

Methodological Note

This document constitutes the first edition of the Camozzi Group's Sustainability Report, in which the Group wishes to disclose its approach to sustainability issues to stakeholders, illustrating the main initiatives undertaken in 2020, as well as environmentally and socially significant innovations that have rendered the Camozzi Group a key player for the future of Industry 4.0.

The environmental and social data shown in this document concern the Group's Italian companies and refer to the period from 1 January 2020 to 31 December 2020, considering the two-year period 2019/2020 as a scope of comparison.

Economic and positioning information includes all Group companies.

The most relevant issues and initiatives being reported were identified by means of a materiality analysis in order to identify and share the perspective of internal stakeholders and the analysis of the external context. Furthermore, this report presents the sustainability context in which such material issues are included.

This document was prepared using the GRI Standards as a reference and was not subjected to third-party assurance activities.



The report can be **viewed** and **downloaded** from:

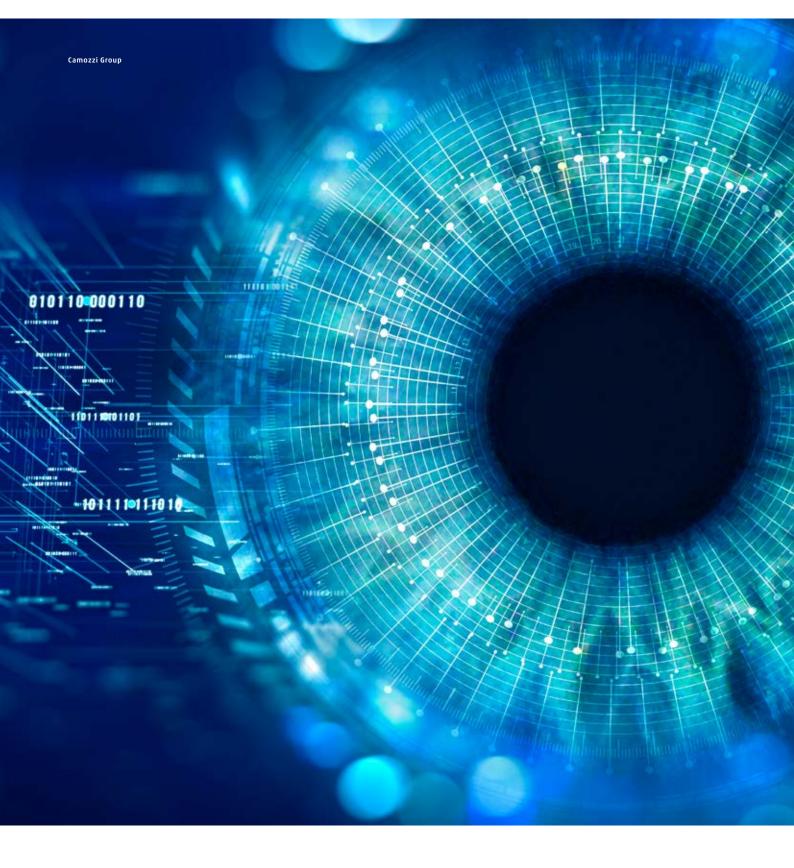
https://en.camozzigroup.com



For clarifications and further information, please send an e-mail message to:

info@camozzi.com







Our added value derives from our in-depth knowledge of production processes and a strong vocation towards innovation.





We are a multinational Italian company and market leader in the production of innovative components and systems for industrial automation and we are among the leading players in the integrated Industry Internet of Things (IloT 4.0) systems sector.

The Group's Numbers in 2020



5 Divisions



50 Exclusive



1 1 Companies



€414

Revenues



3%
Revenues invested in research and development in 2020



Production sites



Investments in 2020



2.730 employees



Branches and service centres



70 countries



565
patent registrations at 31/12/2020

Our origins date back to the intuition of the three Camozzi brothers (Attilio, Luigi and Geromino), who in 1964 established the first company dedicated to the production of pneumatic components for industrial automation and then extended operations to many other sectors over the years, from textile machines and special large machine tools, to the advanced engineering of raw material working processes,

in particular of innovative additive manufacturing materials (composites, titanium, aluminium), up to the development of increasingly advanced smart-manufacturing technologies.

Our added value derives from our in-depth knowledge of the various production processes, which allows us to interpret the new technological market and social paradigms and, therefore, to guide our research



and innovation related thereto towards new frontiers, both in terms of productivity and in terms of sustainability. Our strong vocation for technological innovation, which projects us towards the future of the industrial world, combines with our belief that ""when striving to achieve economic objectives the satisfaction of all stakeholders must be considered along with the Group's wider social and ethical responsibilities"

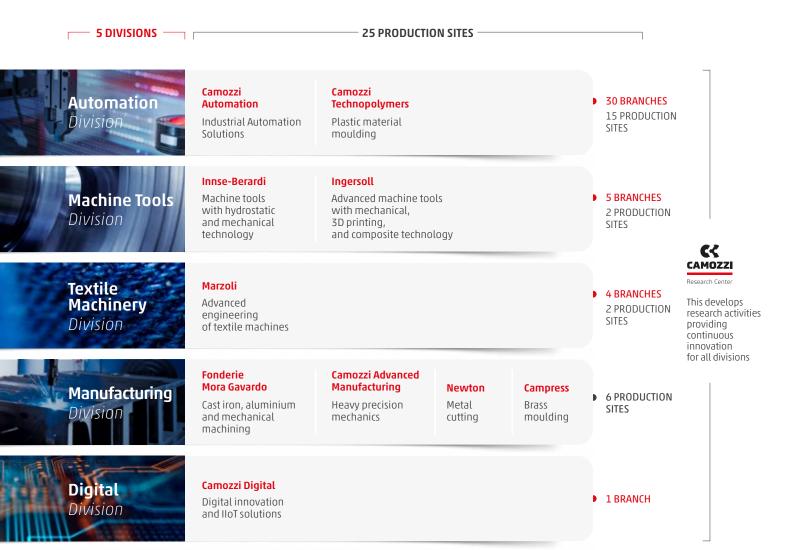
We have created a mandatory Code of Ethics for all Group Companies so as to adopt a harmonised behavioural model that may spread values and guidelines in the performance of our activities: compliance with the law, loyalty, correctness, efficiency in internal and external relations, in order to create opportunities for collaboration, growth and development of the potential of all our stakeholders and of the environment in which we operate.

OUR HISTORY, OUR NUMBERS, OUR VALUES

Eleven Companies in five Divisions

A winning combination of technology and industrial experience.

Our companies are divided into five divisions, which specialise and are differentiated on a technical and production level. These divisions have financial, commercial, logistics and organisational synergies that guarantee high standards of efficiency in the operational management of their respective activities.



Awards

ITALIAN MECHATRONICS AWARD 2020

The Italian mechatronics award Premio Italiano Meccatronica 2020, organised by Unindustria Reggio Emilia, aims to promote a culture of mechatronic technology in the various sectors of the national mechanical industry. In 2020, the award was given to the **Camozzi Group** with the citation "for being able in recent years to transform itself from a leading company in the sector of components for Industrial Automation to a company capable of offering 360-degree innovative solutions in different sectors by exploiting the technologies that enable Industry 4.0, new business models, new skills and collaborations with companies and research centres. 'Experimenting with the new' has led the company to being one of the leading players

of 'new mechatronics', thus becoming an example to be shown to other companies in the Italian mechatronics sector and related sectors.

For this reason, its innovations are significant for many of the new business models emerging from the digital revolution and from the sudden changes that have occurred in recent times".









Camozzi Automation is a leader in the design and production of components for movement and fluid control, and of systems and technologies for the sectors of industrial automation, transport and life science. The strategic offer of the Automation division has been increasingly based on the creation of products and solutions for the Industrial Internet

of Things (IIoT) and on the use of advanced materials and 3D printing technologies, as well as on the miniaturisation of components, in order to reduce the size of products thus optimising the volume of machines and their efficiency and performance levels.

The Machine Tools division operates in the sector of large special machine tools and advanced manufacturing solutions. The two companies that make up the division, **Ingersoll** and **Innse Berardi**, propose an integrated offer in a variety of markets: heavy mechanics, transport, energy, aeronautics, aerospace and defence. Innse Berardi specialises in the engineering, production and commissioning of machine

tools, integrated into connected digital systems that enable production data collection and monitoring, including management of predictive maintenance. Ingersoll is a leader in advanced manufacturing processes, in particular additive manufacturing, and a global supplier of machines for the production of components and large structures in titanium, aluminium, other metals and composite materials.

Marzoli is a company with a long history in the textile machinery sector and today acts as a textile engineering company. The synergies with the Group's digital expertise and the most recent technologies adopted, including cloud computing,

smart sensors and machine learning, have allowed Marzoli to develop computerised and optimised management platforms of the entire spinning process for its customers so as to maximise the quality, reliability, flexibility and efficiency of machinery.

The Manufacturing division includes four highly specialised companies (Fonderie Mora Gavardo, Camozzi Advanced Manufacturing, Newton Officine Meccaniche, Campress) and operates as an EPC Contractor, providing assistance that ranges from the early design stages to the transformation of raw materials and component processing, optimising

management, logistics and production processes thanks to the synergies between companies. The division offers cast iron and aluminium casting operations; mechanical machining, also for the heavy industry; metal processing; brass moulding and additive manufacturing.

Camozzi Digital was created with the aim of supporting the digitisation of the Group's companies, but also of third-party companies that operate in various sectors and wish to seize the opportunities offered by IIoT solutions. Camozzi Digital provides a number of solutions to connect machinery and plants, thus enabling intelligent

data management and their transformation into high added value: thanks to advanced cyber-physical systems, complex process data are immediately integrated into the company management infrastructure and into the cloud, with a view to automatic correction of anomalies and tangible support to decisions.

OUR HISTORY, OUR NUMBERS, OUR VALUES

Camozzi Innovation Network

Collaborating to meet tomorrow's challenges and train future generations.

The Camozzi Group has set up long-term collaborations with companies, organisations and institutions for research and innovation with the aim of pooling the best skills at the national and international level for the development of Industry 4.0 in its various aspects: ranging from training to the definition of new technologies and new exponential models.





Universities:

- Università degli studi di Brescia Academy & Master
- Università degli studi di Bergamo
 Cyber Physical System
 Smart Actuators
- Politecnico di Milano Robotics automation, 3D tecnnology
- The University of Maine Collaboration with Ingersoll for 3D printing

Technological Partners:

Siemens

SAP

Microsoft

ABB

Institutions:

- Italian Ministry of University, Education and Research
- · Lombardy Regional Authorities
- · European Union

Research centres:

- IIT Istituto Italiano di tecnologia
 New Material, Automation
 & Robotics
- ITA Instituto Tecnològico de Aragòn New Material & New cast&Iron Processing Method
- CCAT Connecticut Center for Advanced Technology

From Camozzi Innovation Network

COLLABORATION WITH POLITECNICO DI MILANO



INTERVIEW



Ferruccio RestaRector of Politecnico
di Milano

Today, innovation and research in the technological field increasingly require collaboration between businesses and universities: on the one hand universities are engines of technological research and human capital prepared for innovation, on the other businesses are drivers that bring such innovation to the global market. Together with the Camozzi Group, we have grasped this need, creating a collaboration that moves within the scope of manufacturing Industry 4.0, in shared laboratories where students and industry meet, collaborate and influence each other.

This cooperation in particular focuses on collaborative robotics, additive manufacturing and training on new technologies.

Collaborative robotics and additive manufacturing are two frontiers that will decide the future of the industrial world, posing numerous challenges that not only concern quality, productivity, maintenance and security, but also the man-machine relationship as we know it today.

Thus new questions arise that require considerable research and careful development, but also on-site training and re-skilling of people.

More and more employees will need to be retrained for their jobs and more and more students will need to have a hub where to apply and implement ideas and innovations.

Our partnership with the Camozzi
Group is based on these considerations
precisely: development of new
product concepts, tangible innovation
and evolution of the manufacturing
world, integration between the
needs of tomorrow's businesses and
workers; all of which on a long-term
basis in order to meet tomorrow's
challenges and train future
generations.



From Camozzi Innovation Network

COLLABORATION WITH ISTITUTO ITALIANO DI TECNOLOGIA



INTERVIEW



Giorgio MettaDirector of Istituto Italiano di Tecnologia

The mission of Istituto Italiano di
Tecnologia is to conduct research of the
highest quality and, as also stated in our
articles of association, to transfer the
knowledge we develop to the national
industrial fabric. In this area, we have
found the Camozzi Group to be an
exceptional partner, capable of addressing
real problems which we solve by
using technology. Being aware of
tangible needs is essential to be able
to effectively translate research findings
into real products.

The collaboration with the Camozzi **Group** is within the scope of automation and robotics. Together, we develop solutions capable of analysing the large amount of data deriving from increasingly connected machines in order to automate and optimise industrial processes: from predictive maintenance to efficiency of material flows, trying to achieve an improved work quality and increased productivity. In this context, robotics solutions come into play, a sector where the research-business symbiosis can investigate issues not yet fully explored: collaborative robotics, where humans and robots work together in complete safety

and harmony; and remotely-operated robotics, where the possibility of remotely operating machinery becomes a reality. Dangerous or extremely tiring and repetitive operations are thus transferred to the machines, retraining workers and making human work safer.

I would like to point out that Italy ranks second in the world in terms of research quality in the field of robotics and automation.

An incredible result that signals a historic opportunity: increasing investments in these sectors will allow us to make our companies more competitive, transposing more and more innovative solutions from research into the Italian manufacturing and industrial fabric.





Digitisation enters traditional production methods, blurring the boundaries between the real world and the virtual world



In a dynamic and multifaceted context such as that of Industry 4.0, we play a leading role and, by combining our industrial skills with the most advanced technologies, we are able to create innovative solutions pushing towards the frontiers of continuous improvement.

BUILDING A DIGITAL AND SUSTAINABLE FUTURE

The scenario in which the Group operates

Digitisation, innovation and sustainability.



The Covid-19 pandemic that marked the year 2020 created great uncertainty worldwide, but also represented a push towards transformations already underway, which will be increasingly affecting the industrial world in the coming years. In this scenario, flexibility and cost reductions emerged as strategic priorities for companies that will be increasingly witnessing production systems converge towards technological solutions offered by Industry 4.0 to achieve such conditions.

Industry 4.0 should be understood as the development phase that the production world is experiencing today: a sort of fourth industrial revolution in which digitisation is added to traditional production methods, blurring the boundaries

between the real world and the virtual world. Sensors and control devices will make it possible to connect machines to plants, networks and people. Machines will thus become intelligent systems capable of exchanging information and tracing all the production domains of interest, enabling vertical and horizontal integration of production in order to quarantee flexibility, efficiency and transparency. A fundamental aspect of Industry 4.0 is the exponential impact of technologies: 3D printing, IoT, artificial intelligence, robotics, and nanotechnology are just some of the rapidly growing technologies that are radically changing industrial processes, speeding them up and making them more

customisable and flexible. This is a trend that involves more and more sectors: from health care to transport and defence, to public utility services. In recent years, the trend towards these technologies has emerged in numerous sectors and is constantly evolving, thanks to advances that simplify and speed up their integration into the company: just consider that in 2020 the Industry 4.0 market was valued at \$86 billion and is expected to reach \$267 billion by 2026. The year 2020, however, was not only the year of digitisation, but the year of the potential turning point towards a more sustainable world: institutions, companies and consumers are increasingly united in promoting and requesting products

and activities having a lower



environmental and social impact.
Unsurprisingly, the World Economic
Forum's annual conference in
Davos kicked off the year 2020
with a new manifesto "The Universal
Purpose of a Company in the
Fourth Industrial Revolution",
stating the main social and
environmental responsibilities
of companies in the current
changing industrial scenario.

The European Goal: Zero Emissions by 2050

The current evolution affects not only the corporate world, but also institutions and governments, with reform plans aimed at decarbonising the economy.

Among these, the European Green New Deal represents a new growth strategy which aims to make the European economy modern and competitive, but also respectful of the health of citizens, resources and natural capital.

Circular economy, renewable energies, innovation and sustainable mobility are some of the elements of the Action Plans that will lead Europe to zero emissions by 2050; the transition, which involves investing approximately €1,800 billion, must be green, socially inclusive and based on digital technologies as key enabling factors.

Most of the investments contained in the Italian Recovery and Resilience Plan will be targeting

the green revolution and ecological transition. They will also focus on culture, innovation and digitisation, with a Transition Plan 4.0 that will create favourable conditions for companies to make innovative investments.

Digitisation, innovation and sustainability are the trends that will continue to shape the production world in the coming years, radically transforming processes and their impact on people and the environment.



Digitisation strategy

In a dynamic and multifaceted context such as that of Industry 4.0, we act as leading players capable of creating innovative solutions by combining our industrial expertise with the most advanced technologies. With our technical skills, which range from electronics to information technology, from automation to mechanics, we create innovations in products, services and production methods, merging the real world

with the virtual world. We are guided by a common inspiration in all our activities: the transformation of data into added value. Having an in-depth knowledge of all the parameters that characterise production processes is for us the key element to undertake actions to improve company performance. An improvement that has both economic and production, as well as environmental and social, implications.

In this sense, data represent the key for us to add

value to production, to structure platforms and equipment that should be:

- "smart", i.e. robots should collaborate closely with people and machines should be intelligent and interconnected;
- flexible, with a view to customisation;
- dynamic, capable of quickly responding to failures and maintenance needs;

- transparent, making it possible to facilitate and optimise decisions, but also to improve visibility for stakeholders;
- optimised, thanks to the continued knowledge of consumption, waste, efficiency, reliability of machinery and equipment, life cycle of components...

The future for us is a digital factory where everything contributes to value creation.

OUR VALUE PROPOSITION:

Innovate and grow

We innovate by enhancing our sectorial industrial skills with the most advanced technologies, aimed at the industrial excellence of our customers.

We produce innovation from the convergence of real-world industrial plants with virtual-world production processes.

We interconnect objects and people for the creation of a "smart" factory, where robots work closely with humans and machines are able to perform adaptive control in the presence of errors.

A digital factory where everything contributes to the creation of value.



Establishing partnership relationships with customers, suppliers and our stakeholders by sharing their objectives on a long-term basis.

Minimising the environmental impact of our production sites and our products.

Creating an internal work organisation with the highest accident prevention and health and safety standards.

Creating a rewarding work context and human relations for each individual employee.

Supporting the local communities in the areas in which we operate.

Providing customers with the most efficient and less impacting solutions from an environmental and energy consumption viewpoint.

The path towards sustainability

At Camozzi, over the years, we have always been aware of the potential of Industry 4.0 and its contribution to the company's sustainability performance.

However, the year 2020 was an unusual year: the world situation caused by Covid-19 and the numerous international movements and objectives contributed to spreading a culture of sustainability at a global level, emphasising the need for an increasingly sustainable future.

For us too, the year 2020 represented a turning point in the company's progress. A change of management, which led us to publish this document with the aim of presenting our approach to all our stakeholders for the purpose of making it more incisive with regard to the issues that are attracting worldwide attention. We thus went through a significant time of reflection, which led us to the commitment to taking stock of our activities with a view to environmental and social sustainability.

Our aim? To spread the adoption of sustainable management criteria in every functional and geographical area of our Group.

In particular, the priority areas of action in the near future will be:

- supply chain management:
 as an integral part of the value
 chain, concrete collaboration
 between the company
 and suppliers can make a
 significant contribution to
 the achievement of common
 sustainable objectives;
- management of environmental impacts: not only of our activities and our production processes, but also, and above all, of our products;
- well-being of the people
 who work with us: considering
 that people represent our most
 important resource and taking
 into account our widely
 dispersed operations across
 the world, we believe that it is
 essential to have a management
 model laying down minimum
 reference standards for the
 harmonised integration of the
 issues of health and safety,
 professional growth and
 well-being throughout the Group.

Being aware of the environmental and social impacts that our Group's activities may have, we regularly involve all company departments, including at the time of scheduled Business Reviews, to bring any useful information to the attention of the CEO to define the Group's strategic choices.

The business-related information being shared is enriched with data and insights on topics such as: energy efficiency, health and safety, product quality and innovation, waste management, digitisation.



The materiality matrix

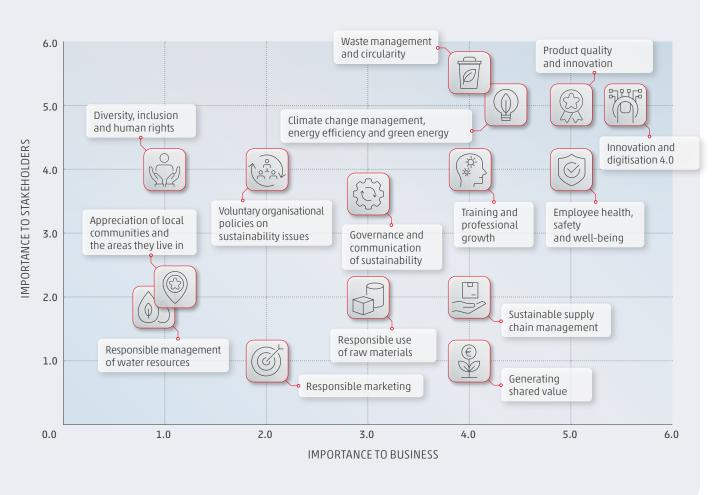
The choice to act upon specific issues arose following various studies and in-depth research initiatives.

We wished to look at our sustainability effort with new eyes, on all fronts, and we carefully examined the United Nations Sustainable Development Goals.

We chose issues that were significant to us in a number of interviews with international management and a detailed in-depth analysis of the sectors in which we operate and of our main partners.

The most significant issues for us and for our stakeholders are summarised in the materiality matrix.









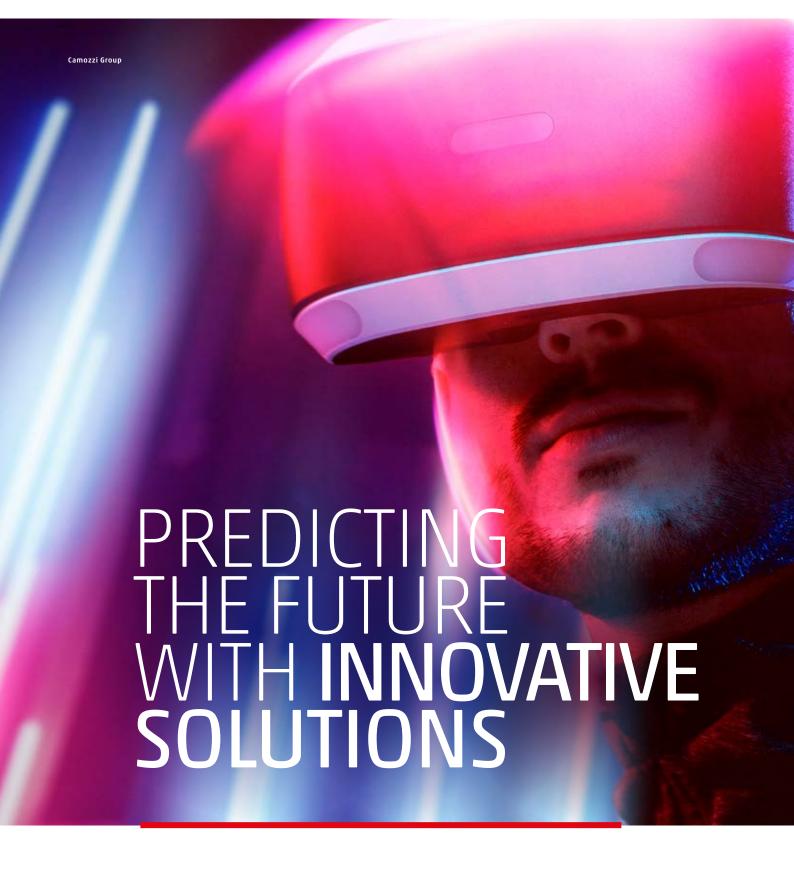
In particular, the issues considered to be priorities for stakeholders and for the Camozzi Group concern areas such as innovation and digitisation, management of environmental impacts linked to our operations and solutions and people management.

Our journey begins by looking at our commitment to sustainability with new eyes

The structure of this document stems from a profound reflection on what sustainability means for the Camozzi Group, starting from the Group's materiality matrix and meetings with numerous company representatives.

Camozzi takes a leading role in Industry 4.0, along a development path towards smart manufacturing with a production management model based on the connection between physical and digital systems, complex analyses using big data and resulting adaptations in real time.

For Camozzi, sustainability is both a natural consequence of innovation, which stands as a tool to be used for the benefit of the environment and people, and as a driver of further innovative development. We therefore decided to structure this document so as to clearly bring out this innovative component that sets apart Camozzi's products, processes and people, alongside initiatives concerning the impacts of production processes and the communities in which the Group operates.



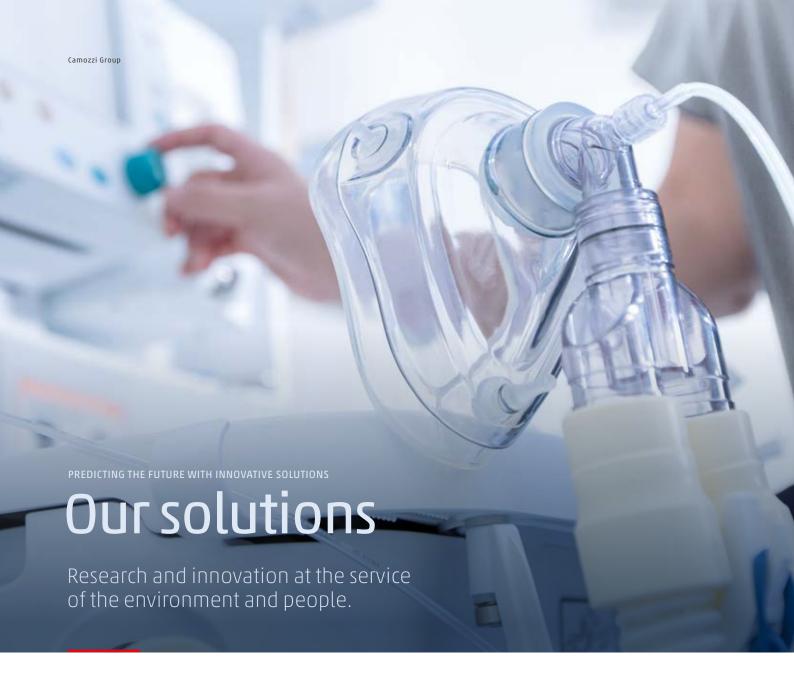
To ensure increasingly efficient and sustainable production and management processes, we have developed **highly innovative solutions**, which are the result of **advanced skills**, **specialised teams**, **huge investments**, **international top-quality partners**.

A key element of these solutions is predictivity.





The parameters being simulated and analysed also include parameters linked to sustainability.



Project

CAMOZZI COMPONENTS TO FIGHT COVID-19

As Camozzi Group, we wished to make our distinctive skills available to everyone to create products that could help address the emergency health situation.

We have collaborated on two projects for the development of innovative lung ventilators in a very short time, with the aim of making reliable and cutting-edge equipment to combat the pandemic available to all countries.

The first project, carried out in record time, concerned the development of a lung ventilator in collaboration with Scuderia Ferrari and the Italian Institute of Technology: the FI5, "F" as Ferrari, "I" as IIT and "5" as the number of weeks that elapsed for the

implementation of the first prototype. FI5 was designed to be easy to assemble and use, but also to be mass-produced with readily available materials in order to significantly lower production costs.

All parts of the project were made available as an open-source project, thus allowing anyone

The second initiative we took part in concerned the creation of an innovative device for assisted breathing, the MVM (Milano Ventilatore Meccanico), which obtained EUA and FDA certification and was created from an all-Italian supply chain.

to produce it locally.



Project

INNOVATIVE PREDICTIVE MAINTENANCE SYSTEMS

Lower environmental impacts and greater safety in the workplace thanks to digital models that make it possible to analyse performance and promptly define corrective actions.

Predictive maintenance is the future of industrial maintenance: acting in anticipation of possible failures or disruptions entails undisputed benefits for a company, not only from an economic and production standpoint, but also from an environmental and social

standpoint. As promoters of this vision, at Camozzi Digital, we have developed models based on big data and on the use of advanced analytics, which allow us to monitor the correct operation of machinery and their components.



Thanks to the large availability of data, this approach has allowed us to develop about a hundred algorithms for production asset maintenance over the years. Thanks to the installation of IIoT sensors, we are able to collect data in a capillary, detailed and widespread way, and then process them and give meaning and relevance to some phenomena by creating a virtual model of the component or entire physical piece of machinery. The model is then continuously compared with real-life behaviour,

making it possible to establish in advance the deviations caused by any malfunctions, including remotely. Thanks to these maintenance solutions, machine downtime, breakdowns, low performance and defects, which affect product quality and plant productivity, can be avoided with obvious financial and production benefits. The same solutions will also lead to the reduction of environmental problems, such as: accidental hazardous emissions, production waste due to system malfunction,

inefficient use of energy and resources, waste of materials in stock and short life of machinery. Last but not least, there are also positive implications in terms of safety for operators, as these technologies make it possible to identify inadequate or risky working conditions in advance.

Project

ADVANCED **ENERGY CONSUMPTION** MODELS

Automated energy efficiency: a digital model to predict, monitor and manage consumption.

1,5%
ENERGY SAVINGS

Savings using energy consumption models

The adoption of predictive and performance models does not stop at maintenance, but can be extended to any production parameter: an intelligent system makes it possible to intervene on the performance of the machine in order to optimise the functions of interest.

We have been applying our predictive systems to energy consumption for some years now. Official data show that by using energy consumption models one can obtain energy savings in the order of 1.5%. The results

are determined by the model's predictive capabilities: by analysing the data coming from the machine, the model monitors consumption and is capable of predicting future theoretical trends; any deviation between reality and the predictive model generates an anomaly alert whose handling will make it possible to ensure energy efficiency. Models of this type are currently installed at our Camozzi Automation plants in Polpenazze and Lumezzane. In the coming years, we will extend their use to other factories with

the aim of involving the entire Group.





A digital tag that can tell the whole story of the product and of the manufacturing process for greater transparency in terms of safety and environmental impact.

Project

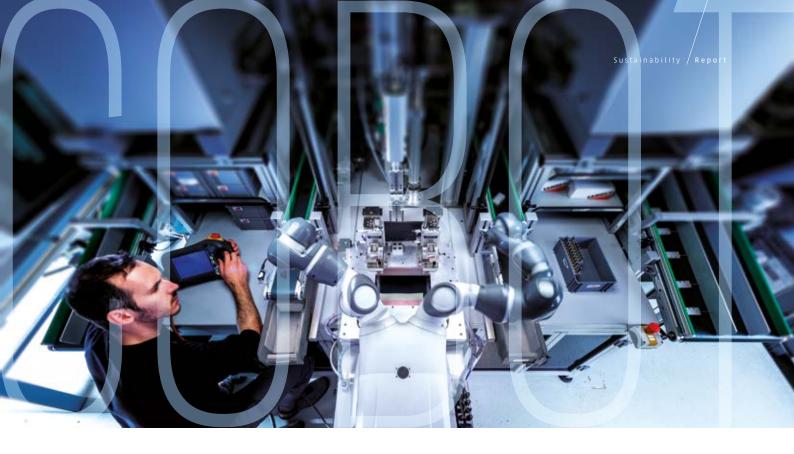
TOWARDS A DATA-CONTROLLED SUPPLY CHAIN THANKS TO MACHINE INTERCONNECTION

Advanced machine interconnection, a key element of Industry 4.0 and of Camozzi Digital solutions, has allowed us to take a huge step forward in tracing products within the production process.

The crux of the system is the digital tag, a virtual tag capable of conveying information: once loaded on the machine, by means of a recognition bar code placed on the raw material, the digital tag will be stored, go from one machine to another and will assimilate the production parameters that characterise the batch in question.

The advantage is complete traceability, through which one can trace the raw material used, useful for example in the event of any discrepancies or to ensure absolute transparency.

We currently have ongoing projects in the world of textiles and automotive components, but applicability is potentially open to any sector. It is a technology with unlimited possibilities, which may be used for any type of data relating to the production process. The information linked to the digital tag mainly concerns technological, dimensional and performance parameters, as required by that type of production and by the domains necessary to identify the batch. Emerging businesses models will bring further opportunities: thanks to blockchain, for example, traceability can be extended to the entire supply chain, making even greater transparency available to consumers.



COBOT PRODUCTION LINE

We are developing a digital solution with innovative components for man-machine collaboration. In particular, together with Politecnico di Milano we are working on a collaborative human-machine island specifically developed for the management of high-variance and low-volume productions, with the development of algorithms making production more efficient and preventing people from having to deal with repetitive and/or alienating jobs, which would be left to the machine to perform. With the help of Politecnico di Milano we are translating into reality a new way of conceiving production inside factories that sees cobots - i.e. intelligent collaborative

robots - help and support workers within a shared workspace. This project was born out of the desire to create a collaboration between automation and people, for the purpose of obtaining the best from machines and men based on the skills and potential that set them apart. Collaborative robots can work side by side with people, in a work organisation that, using advanced artificial intelligence algorithms, can make the management of orders of small quantities of continuously different pieces efficient and not stressful. All of which, within a system supervising the entire production process that will allow man-robot

interaction in safety.

Office workers are now familiar with the idea of remote-working during these health emergency months. With a production concept like the one we are testing, the possibility of working remotely will also open up for workers, who will increasingly have a supervisory function.

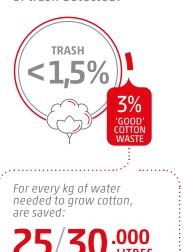


TAOMApp

Trash Analyse Opening Marzoli Application

Reduce cotton waste and water consumption thanks to the innovative app of the Textile division.

Minimum amount of trash detected:



The collaboration between Marzoli and Camozzi Digital gave rise to **TAOMApp**: an application that, thanks to artificial intelligence systems, is capable of calculating the level of "dirt and contamination" (trash) present in cotton, in order to reduce some of the environmental impacts found in the early stages of the textile supply chain. By image processing, neural networks are capable of analysing the photos uploaded to the cloud to measure the amount of trash contained in the cotton batch being examined. The app's level of accuracy is very high: thanks to the possibility of collecting a large number of

samples and thus improving the characterisation of incoming raw materials, even minimal quantities of trash, less than 1.5%, are detected.
This makes it possible to set up

This makes it possible to set up the production process more and more accurately according to the type of material being processed, thereby limiting waste in relation to the required quality: it is possible to reduce "good" cotton waste by up to 3%, obtaining savings of up to 25,000 - 30,000 litres for each kilogram of water necessary for the cultivation of this important raw material.





RE-ACT PROJECT

From denim scraps to the development of new yarn:
Marzoli's skills in an international collaboration for a more circular economy.

In 2020, Marzoli joined the United Nations Industrial Development Organization - UNIDO and Agenzia Italiana per lo Sviluppo e la Cooperazione (Italian Agency for Development and Cooperation) in a pilot project, the Egyptian Cotton Project, to test the quality and market opportunities in Egypt for cotton yarns recycled from post-industrial denim waste. More than two tons of cotton and blended cotton denim fabric scraps

were collected, regenerated and spun thanks to the cooperation of all the technical partners involved (T&C Garments, Filmar S.p.A. and Albini Group). Our contribution to the project was to give new life to denim waste: together with a specialised partner, we worked and carded the waste to obtain regenerated fibre of a remarkable quality. The result was a yarn composed of 50% recycled material, to which virgin fibre was added

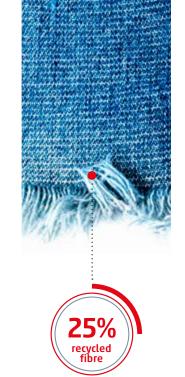
in order to ensure functionality and resistance, which was then transformed into fabric to make garments finally containing 25% recycled fibre.

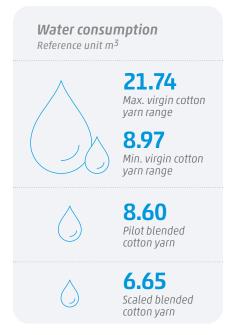
Further tests could be conducted to evaluate the performance of fabrics with higher percentages of recycled content.

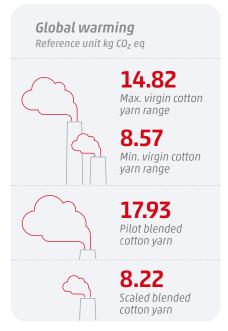
The non-profit organisation,
Circle Economy, which deals with

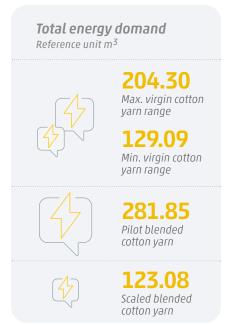
accelerating the green transition, carried out an analysis of the pilot project by forecasting the parameters obtained in a full-scale scenario, in which all operations took place on Egyptian soil.

Through a life cycle assessment, the environmental impact was compared with the impact caused by the normal production of a range of virgin cotton yarns.











Water and energy consumption, as well as the emissions produced, were lower than in the production of virgin cotton yarn. Furthermore, the performance of the project in a broader scenario was better than the pilot performance, thanks to manufacturing efficiency due to large-scale production.

The positive economic performance assessments were, on another level, also supported by the growing consensus of institutions and sector organisations towards the circular economy. These include The Fashion Pact, UN Fashion Industry Charter for Climate Action and the Ellen MacArthur Foundation initiatives.



INNOVATIVE ROBOTS FOR THE **NEW BRIDGE IN GENOA**

The year 2020 witnessed the opening of the new San Giorgio Bridge in Genoa, built in just two years after the collapse of the Morandi bridge.

The Group made a significant contribution to the safety of the new bridge. In synergy with Istituto Italiano di Tecnologia (Italian Institute of Technology), in just 10 months we created a robotic system, unique in the world, for the continuous monitoring and

prevention of infrastructural risk.
This robotic inspection system
was the first automatic system
in the world providing a globally
repeatable model aimed at
increasing the safety not only
of this type of infrastructure,
but also of any civil works that
may require automatic monitoring.
The system we developed
supports verification of the
health of the infrastructure:
through high resolution cameras

and sensors for measuring
the condition of the surfaces,
a large amount of data (25,000
to 30,000 photos per inspection)
is sent to a control centre, thus
creating a digital database which,
thanks to effective analysis
and prediction algorithms,
makes it possible to intervene
with preventive maintenance
actions, if any are needed.
The robotic system is based
on the installation of four robots:



two that will be inspecting the lower surface of the deck and will process the data for the finding of any anomalies (Robot-Inspection) and two that will be keeping the wind barriers and solar panels clean (Robot-Wash). The elements that make up Robot Inspection were produced using the MasterPrint machine, the largest 3D printer in the world, designed by our American subsidiary Ingersoll. Some parts are made of carbon fibre by exploiting its characteristics of lightness, high structural rigidity and aerodynamic stability, concepts similar to those of the airfoils of the aeronautical world. All operations will be conducted respecting the environment as much as possible, according to a green approach. The robots are in fact equipped with energy storage batteries and use the photovoltaic system of the bridge for regular recharging. The same photovoltaic panels, of which are more than 700 on each side, are kept clean by Robot Wash, which, by exploiting

permanently mounted



on the bridge, are designed for regular use throughout the year and work automatically along the entire 1000m+ length of the bridge, without requiring any additional support on the deck road, i.e. without requiring any traffic limitations. Thanks to the collaboration between the various enterprises involved, the Camozzi Group, Istituto Italiano di Tecnologia-IIT and Fincantieri, it was possible to create a project with a very high technological content, capable of contributing to increased safety of the people who cross the bridge every day and achieving a significant reduction in environmental impacts.



MASTERPRINT®: THE WORLD'S LARGEST 3D PRINTER

Waste reduction, optimisation of raw materials, customisation and intelligent design thanks to additive manufacturing technology.

Over the years, we have developed and implemented additive manufacturing processes capable of revolutionising traditional production paradigms: we have created products and components by printing them layer by layer following virtual 3D models.

Not only that: MasterPrint, the largest 3D printer in the world made by Ingersoll, allows us to

additively produce parts of an extremely significant size.

There are several advantages to additive manufacturing: production flexibility, product customisation, speed of creation; all elements make it possible to reduce costs and waste, allowing one to manufacture products on demand and without the need for minimum order quantities.



MASTER PRINT®

These advantages are multiplied if combined with design that uses digital twin models, thanks to which it is possible to test a product in advance, eliminating the trial-and-error phase that characterised traditional production, where several prototypes were created before reaching the final result.

A key feature of additive

manufacturing with 3D printing is the optimisation of materials, with a resulting waste reduction: by using the exact amount of material required for implementing the project, the waste produced is reduced to a minimum.

Since it is not necessary to print materials in excess or cut out large quantities, it is possible to obtain greater efficiency in the production

processes obtaining savings in terms of costs, energy consumption, resources and emissions.

Moreover, the MasterPrint printer can use materials originating from recycling processes and materials with low environmental impact, with the addition of natural elements such as wood.





The first next-generation ground-based giant telescope capable of revolutionising our understanding and vision of the universe.

Project

GIANT MAGELLAN TELESCOPE: INNOVATION AT THE SERVICE OF KNOWLEDGE

Another excellent project in which our Group is involved is the Giant Magellan Telescope (GMT), for which we were chosen, through our subsidiary Ingersoll Machine Tools, by being awarded an international competitive tender lasting two years. The telescope will be built in the Atacama Desert in Chile and is the result of the scientific collaboration of 12 of the leading universities and scientific institutes in the world. The project will witness a total investment of \$135 million financed by partner institutions, governments and private donors and will require nine years of design, development and construction work, with exploration activities set to start in 2029.

Ingersoll's role in this extraordinary adventure will be to produce the colossal steel structure of 1,300 tons that will hold the seven mirrors in place when they focus the light coming from stars and galaxies light years away. The frictionless

movement of the structure will be achieved by letting it float on an oil film only 50 microns (2 thousandths of an inch) thick, known as hydrostatic technology, which was patented by our Group years ago.

The GMT will be a state-of-the-art infrared observatory with a diameter of 24.5m and a visual definition ten times higher than that of today's largest ground-based telescopes, designed to explore the frontiers of astronomy looking for evidence of life forms beyond our solar system and capable of changing the history of space exploration. The GMT could make discoveries capable of changing our view of the Universe forever. Its light-gathering ability and unprecedented resolution will contribute to solve many fascinating questions (about the formation of galaxies and dark matter, but also about life forms in space and the fate of the universe), which still need to be answered

by 21st century astronomy.





The new paradigms of Industry 4.0, which constitute the **Fourth Industrial Revolution**, have very strong social implications. In fact, they are not just about technology but about people, their work and their place in society. Debates and considerations focus in particular on **how the role of workers** in highly technological and automated environments **will change**, and is actually already changing.



We are in favour of a development capable of balancing the technical dimension with the human dimension.



Camozzi Research Center

In newly conceived premises, aimed at open innovation, we wish to create a connection point between industry and the world of research in order to develop new production models and new approaches to scientific and technological training. Thus was born the Camozzi Research Centre, unique in Europe, located in the industrial area of the former Innse Milano, Via Rubattino.

The project is part of Programma di Riqualificazione Urbana (Urban Redevelopment Plan) of the Municipality of Milan for the redevelopment of the Rubattino area: the aim of the plan is to restore life to a neighbourhood that has lost its attractiveness over time, but that may, in time, return to being a quality urban context from an architectural, environmental, educational and

In Milan, a hub 99 of knowledge and development of innovative industrial applications, a place of collaborations and fertilisation, a bridge between research, business and the city.

industrial viewpoint. The Camozzi Research Centre is not just a training centre and an incubator, but a true hub of knowledge and development of highly innovative industrial applications. Here industry, research and training intertwine and fertilise each other, opening the door to radical and ground-breaking changes. From this interaction, new "on-the-job" training paradigms are born, new technologies are developed and immediately tested in the industrial field, new products and new processes are created. The uniqueness of the Centre primarily becomes evident in the close collaboration with the outside world: with Istituto Italiano di Tecnologia (IIT), with Politecnico di Milano, but also with other Italian and foreign universities, companies

and research centres, so much so that approximately 140 third parties researchers are expected to take up residence in the Centre by the end of 2021. A close collaboration is already active with IIT at the Camozzi Research Centre Several researchers have been hosted within the premises of the centre for more than a year in order to conduct applied research projects, in collaboration with the Camozzi researchers, in the fields of advanced robotics and predictive maintenance. A long-term partnership with various strategic directions has also been entered into with Politecnico di Milano: students and researchers of Politecnico di Milano based in the Camozzi Research Centre will benefit from a state-of-the-art laboratory for the development of industrial

automation solutions and will collaborate with Camozzi Group workers to develop innovative ideas and broaden the scientific horizons of the Centre. There are many elements that make this Centre unique, starting with the installation of MasterPrint, the largest 3D printer in the world designed and built in Rockford (Illinois) by the American subsidiary Ingersoll. This printer is the only one of its kind outside the US and is capable of building large components up to 12m in length. The experience of the Camozzi Group in the field of large mechanical machining is also embodied in two other machine tools located in Milan and produced by Innse Berardi, a company with a long history in the industrial fabric of Brescia and part of the group since 1999.

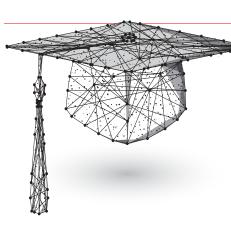


The first one is PowerMax, an extremely advanced machine tool designed to meet the extreme requirements of the aeronautical world. Innse Berardi has also designed, built and installed Scalper in Milan: a centre of exclusive, fully automated work for mirror finishing of metal sheets up to 4.5m long.

Research and innovation at the Camozzi Centre are designed to be open and collaborative following an open innovation approach to create skills that we believe are fundamental to shape the industrial development of the future.

A development capable of balancing the technical side with the human side, training, strengthening

and enhancing the necessary skills.
The Research Centre represents
the tangible part of this development
idea, a bridge between research,
innovation, business and the city.



Innovative and cutting-edge training projects for the re-skilling of our staff.

Camozzi Academy

To address the need for change which technological, competitive and social challenges impose on businesses and people, the Camozzi Group has developed its own Corporate Academy project. This is an initiative that is divided into activities and training, information, sharing paths for the up-skilling and re-skilling of our staff and for the development of a new generation of talents. All of which integrated into our IIT SAP "SuccessFactors" system to ensure the involvement of all Group companies and the harmonisation of the assessment processes concerning potential, performance and career paths with actions in support of personnel. As part of the training and growth proposals, special attention is on the one hand paid to the scientific-technological subjects (STEM - science, technology, engineering and mathematics) and on the other to the most innovative actions for the development of cross-cultural skills; this in the conviction of the need for a thorough development of people. The model with which the Camozzi Academy was conceived assumes that the focus should be on its role as knowledge generator rather than mere facilitator. It is designed to be an integrator and a forge of external and internal skills and awareness, affecting the transformation of individuals and society, to address



the contexts in which one operates, the organisational choices to be adopted and the business models to be undertaken, thus ensuring competitiveness and resilience to people and to the Group. Understood in this way, the Camozzi Academy is not just an organisational unit responsible for training but especially a structured system to capitalize knowledge and metabolise and implement our Group's strategies: we have developed this project to accompany the Group's evolution, change processes and growth, safeguarding the alignment of values, strategies and people in our organisation. The scope of activities involves all staff across the various departments

and will extend to customers, suppliers and other categories of stakeholders with whom we work. The Academy also includes young people interested in working with us with recruitment and training initiatives. The Camozzi Academy therefore acts as a re-skilling centre for the Group's people with a view to continuous updating and development of cutting-edge skills, but also as a reference point for bringing students closer to the world of work with the purpose of transforming their knowledge into innovations applied to the industrial sphere. To do this, in addition to a dedicated internal department, alliances have been made with universities.

institutions, organisations and external companies. The Academy is located at the Camozzi Research Centre in Milan, which shows our desire to combine learning processes with the Group's knowledge development, whose ownership participates in the board that guides it and will implement it. With this strategic unit we wish to address and share with all our partners the effects that the digital revolution and plans for climate neutrality are producing in global manufacturing and the main technologies, as well as the new business models, that are being developed.

We sponsor events that support young people, innovative ideas and a new future



Festival del Futuro is an event that every year gathers Italian and international experts, managers and researchers to address the macro-trends that will

be influencing our future.
In the 2020 edition, the main
macro-trends, drafted by Harvard
Business Review Italy as every year,
were health, innovation,

5G technology, sustainability, digital technologies and work, female entrepreneurship, smart cities, agriculture and wine.

DIGITHON: A MARATHON FOR INNOVATIVE START-UPS

As in 2019, again in 2020 we partnered with Digithon, one of the main events on innovative startups, based in Puglia. Every year, dozens of startuppers from all over Italy get involved to promote

their ideas before a jury of professionals and investors to be awarded loans, prizes or acceleration paths.

We supported the initiative and participated in the jury in the role of evaluators.

Digithon was also an opportunity to bring our testimony as innovators aiming to inspire and stimulate participants.



DISCOVERY ENGINEERING EVENT

(Rockford Discovery Center)

AND ROCKRIVER VALLEY ROBOTICS COMPETITION

Again in 2020 Ingersoll
participated in the "Discover
Engineering" event organised
by the Rockford Discovery Center.
During the event, which hosted
more than 1,100 attendees
in 2020, local high school
students showed their robotics
skills to the engineers of the
attending companies.
Numerous technological
demonstrations, physics and
mechatronics experiments

were also carried out, as well as numerous workshops to introduce children and adults to the world of engineering and technology with a practical and fun approach. Ingersoll in particular put on display all the innovations and opportunities in terms of sustainability in relation to 3D printing. Ingersoll is also a "gold sponsor" of the Rock River Valley Robotics

Competition. Each year, the competition offers students in the local school the opportunity to build unique robotic solutions with which to challenge their peers and put their technological skills into practice.

The event helps bring the community closer to the world of high-tech industry.



The Camozzi Group comprises, and is represented by, numerous people, companies, divisions, countries.

Each of them contributes to developing, enriching and improving our business and our activities.

The values and principles of Camozzi are shared by all these entities and by all our people for whom we are committed to guaranteeing respect and appreciation. In particular, every year, all Group companies implement independent activities to improve the working environment, well-being, involvement and growth of workers.

Some of the activities we carried out during 2020 in the various countries in which we operate are described below.

Belarus

Each year, our employees offer up one of their work days to the community by providing social services such as cleaning up the areas near the factories and planting flowers during that day. Those who decide to stay in the office and carry out their daily duties donate the day's wages to a special fund; in 2020, the sum raised was allocated to the purchase of equipment for hospitals in the area.

Mexico

During 2020, we prepared a plan for the professional development of our people, ranging from improving the social and working environment,

to the preparation of corporate career plans and personalised training plans, up to regular assessments of talents to set up development and improvement plans.

Poland

To contribute to the training and professional development of the new generations, some employees were involved by two local technical schools in a series of lessons concerning the new technologies that are shaping industrial automation. Due to the situation caused by Covid-19, the lessons were delivered in the second half of 2020, at the beginning of the new school year.

Czech Republic

Face-to-face training courses were interrupted during the pandemic. Wishing to ensure the skills development of our sales force, we chose a special website that not only supports courses in the workplace, but also courses dedicated to personal improvement; in particular, training sessions were organised to support people in adapting to remote working conditions and managing the critical issues of this particular period.

Sweden

We implemented various initiatives to encourage our employees to take care of their well-being and improve their health: we provided financial incentives for activities such as a gym room and outdoor sports

and we activated a project in which employees
must do a certain number of training hours to receive
a gift card to purchase sports equipment.

LISA

Also in 2020 we implemented our Camozzi
Life Program, designed to improve our people's
work experience and work-life balance.
Each year, a new Camozzi Cultural Committee,
made up of an employee for each company
department, is selected to define the initiatives
to be implemented within three areas of interest:

- Employee Engagement, initiatives to develop inclusion and team building within the Camozzi corporate community;
- Personal Development, health and wellness programs, training and financial advice with certified consultants;
- Community Involvement, initiatives for the benefit of the local community

Germany

At the end of 2020, we launched our Camozzi
Care Program, a program based on four modules:
Safety, Health, Retirement and Benefits,
with the aim of taking care of our people in
all aspects and at all stages of their life.
Each module of the plan comprises numerous
initiatives, including voluntary collective insurance
against accidents; free medical examinations;
additional pension contributions; discounts,
offers and special services for Camozzi employees.



The minimisation of environmental impacts, be they related to energy consumption or production waste, has always been an integral part of our business management processes, based on the belief that inefficiencies generated in the production processes represent nothing but waste that is harmful to the Group's economy, the environment and people.





The future we imagine is increasingly sustainable: lower consumption, greater efficiency, circularity and clean energy.

an increasingly intrinsic element of our business processes.



Whole oil filtration and process water evaporation

In the industrial activities of
Camozzi Automation we mostly
carry out processes whose special
hazardous waste largely consists
of oil residues and oil emulsions.
Neat-cutting oil or water emulsion
is used as a lubricant in chip
removal processes.
During 2020, we invested in

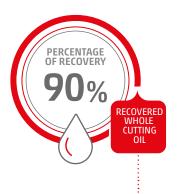
During 2020, we invested in a technology which will be operational from August 2021

and will allow us to filter whole cutting oil, allowing us to recover 90% of the same. Thanks to this investment, we will be able to significantly reduce the generation of hazardous waste and extend the life of cutting oil, with resulting environmental benefits. It may be stated that we have achieved a circular approach in the use of water over two decades ago.

Technologies for the recovery and optimisation of two precious resources.

79

Results of the investment in the new oil filtration technology:



93% EXPECTED REDUCTION

in oil consumption and evaporator's energy requirement Water is a resource used in the production processes of Camozzi Automation mainly as a washing fluid in closed-circuit systems without resorting to diluents or alcohol-based compounds, or it is used as a compound in emulsions for metalworking.

Even in the case of emulsions, water is recovered and reused by means of an evaporation system capable of separating it from the exhausted additives and emulsifiers by evaporation and condensation. Thanks to this system, water continues to be used circularly in the processes and the exhausted

emulsions can be disposed of more easily.

With the aim of further improving our water impact on the production of hazardous waste and reducing the energy expenditure required by the evaporator, a new system will be installed in 2021 that will allow us to regenerate emulsions by avoiding their disposal.

Our expectations are to reduce the consumption of emulsifiable oils and the evaporator's energy requirement by 93%.

Greater circularity for brass, aluminium and steel

Specific initiatives to improve the recovery of used metals in order to reinsert them into the production cycle and improve our environmental impact.

In the activities and processes of Camozzi Automation, brass, aluminium and steel may end up as process waste in the form of pieces or shavings.

Over the years, we have been committed to developing methods to manage these materials which are increasingly based on circularity, in a different way depending on the type of material and quantity used.

To date, we can claim to have achieved a good level of brass circularity through efficient and state-of-the-art systems.

Brass shavings are selected and centrifuged, stored in silos and processed to obtain brass bars ready to be worked again. These bars represent approximately 65% of the brass we use annually.

Another key point in our path towards greater circularity is the management of aluminium, for which we are making the greatest efforts. A first step was an investment to improve drying using briquetting systems, a method that ensures a better recovery yield compared to untreated chips and simplifies logistics operations.

Furthermore, with the aim of further facilitating their recovery, we are working to improve the separation between the various aluminium alloys we use, which can thus be allocated to specific reuse processes, thus providing a greater degree of circularity. Lastly, we are increasing

the use of alloys with a lower environmental impact by early adoption of possible future regulations.

At the moment, 70% of the aluminium we use contains lead, but our goal is to progressively reduce this percentage and increase the use of 6000 alloys composed exclusively of aluminium, silicon and magnesium; non-toxic substances abundantly found in nature. We have therefore invested in new operating machines and new tools in order to enable the machining of this alloy in milling processes, allowing us to halve the use of aluminium with lead content already during the course of 2021.

In the future, its feasibility for turning processes will also be analysed in order to extend this project.

With regard to steel, although the quantities used are considerably lower, we are reorganising to improve the separation between the various alloys after use so as to ensure that third-party processing may be facilitated.





At Camozzi Technopolymers, a company that deals with plastic moulding, the raw material is mainly plastic granules, which are melted to be worked and shaped according to the customer's requests.

In the moulding process, the sprue, an appendage created by excess plastic in the casting holes, remains on the cooled finished piece.

It can be automatically separated in the injection moulds or removed in finishing operations.

Although they are pieces of waste from the manufacturing process, sprues represent an important resource: through a process of shredding, washing and granulation, waste returns to being a raw material and re-enters the production cycle. Internally we grind and reuse 60% of our sprues, corresponding

to about 1,500 kg per month.

30-35% of those, about 800 kg per month, are delivered to third-party suppliers, so that they may recover it as a by-product, preserving its original quality. Only about 5% of the sprues are not reusable and are therefore disposed of as waste.

In order to guarantee this even more virtuous production cycle, the moulds for all products destined for Camozzi Automation have for some years used "hot chamber" technology, which avoids the creation of sprues. This technology comes at a slightly cost higher than other moulds, but problems and costs of recovery and/or disposal of waste.

30/35%

Delivered to third-party suppliers (800 kg per month)

Not waste,
but by-products:
the management
of plastic sprues
at Camozzi
Technopolymers
in a virtuous
production cycle.

79



Towards greater energy efficiency

For the Camozzi Group,
energy efficiency occupies
a prominent place. Over the years,
we have undertaken various
initiatives to achieve a better
performance in terms of energy
consumption reduction.
There have been many areas
of action. For example:

- installation of LED lights;
- conversion with high efficiency
 IE3 / IE4 motors equipped
 with inverters;

- redesign and updating of compressor rooms and circuit leakage checks;
- replacement or updating of air conditioning systems;
- refurbishment and updating of centralised suction systems;
- self-production of renewable energy with four photovoltaic systems (for Camozzi Automation and Innse Berardi, the systems supply between 25% and 28% of the electricity used);

 reconstruction of the electrical distribution system in Polpenazze, minimising low voltage routes.

Last year, we decided to intensify energy monitoring in order to identify even the smallest possible improvements and any areas not yet optimised. For this reason, during the course of 2020 and 2021 we installed an electricity consumption



Power quality and air conditioning automation systems: measurements and pilot projects to reduce energy waste.

measurement system in the Camozzi Automation plant in Polpenazze designed by Camozzi Digital. A similar system was already installed in the Lumezzane plant, albeit in a less advanced version. Thanks to these system, applied to various sensitive points in distribution panels and machines, we will be able to monitor electricity consumption and prevent possible drifting, but above all provide benchmarks for further considerations. Furthermore, in order to identify additional improvement actions, a study on power quality was carried out in Polpenazze to reduce "concealed" electrical waste along the power supply lines of the 27,000 sq.m. plant. In particular, a measurement campaign of the main energyintensive users was carried out for two months with the aim of verifying possible improvements that could be made by energy saving systems. These technologies are able

These technologies are able to minimise the amount of energy lost and optimise the quality of power supply, thus improving the systems' efficiency.

The analysis revealed that the plant has an excellent distribution system and a good degree of overall energy efficiency and emphasised the possibility of including power quality systems for rooftop systems not equipped with inverters and for some compressors.

At the moment, the adoption of the pilot system for compressors is being evaluated, also possibly extending it in a targeted way at a later time.

With the same approach, a study was carried out to identify and resolve critical issues concerning the air conditioning system of the Polpenazze plant. At the moment, the various generators are managed by control units equipped with temperature probes, which are mainly regulated manually.

The goal, for which we will be working during the course of 2021, is to automate the air conditioning system equipped with temperature, humidity and CO₂ probes, in order to obtain an automated management of the internal temperature to align it with the exterior environment and achieve greater efficiency, also ensuring greater comfort for workers. Over the next few years, we intend to expand these initiatives to the Lumezzane plant and progressively to the other Camozzi Group plants.



Technology and emission cuts: the pilot plant at Campress

At Campress, a company in the manufacturing division that deals with hot brass forging for the Camozzi Group and third parties, all pieces of machinery are recent and equipped so as to control our energy consumption and the emissions produced by our operations.

The company's main emissions are due to the moulding activity, which involves the emission of oil fumes. To further reduce the concentration of pollutants in this type of emissions, and in advance of future environmental legislation, we have installed a pilot plant to test a technological improvement that may lead to cutting emitted oil fumes. In addition to a significant reduction in emissions, we expect the plant to lead to a reduction in energy consumption.

In fact, the current filtration system requires energy to make the air pass through the filter, release the oil components and thus be purified.

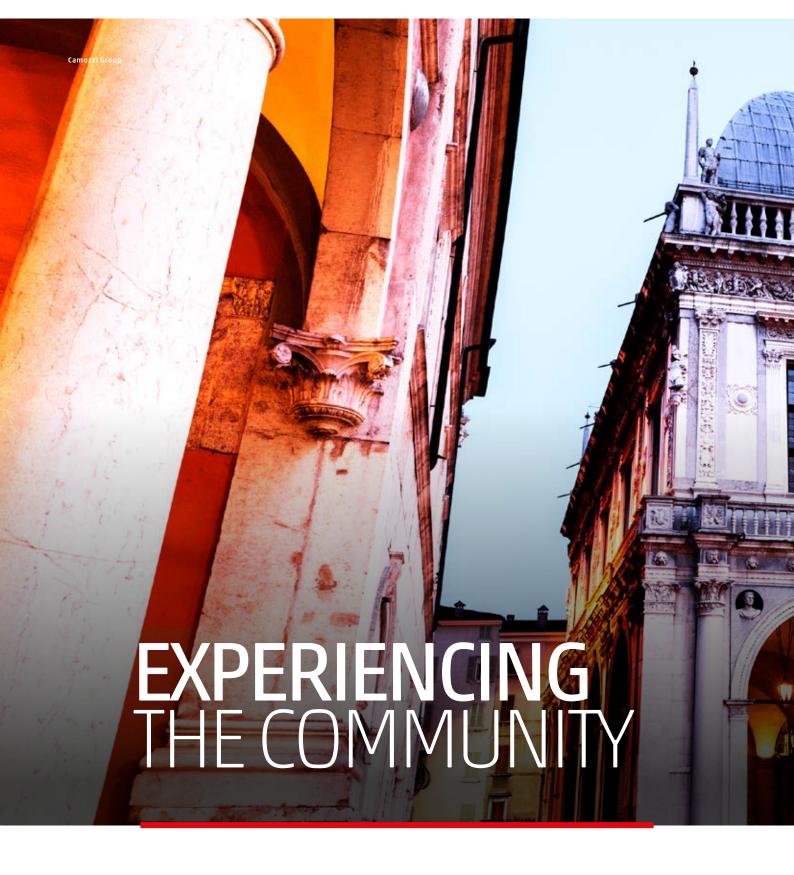
The new technology will require less electrical power, allowing us to achieve greater energy efficiency.

At the moment, the pilot plant has been installed on three machines with the aim of measuring actual performance and then extending it to the rest of production.

A new technological system to reduce the oil fumes emitted during production processes, also optimising energy consumption.



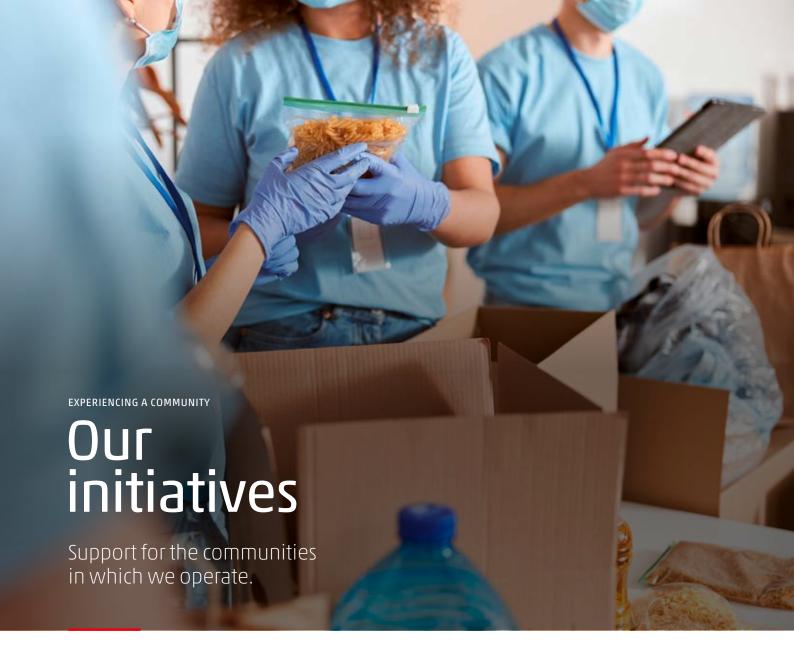




The Brescia area represented the starting point for the history of business growth and development of the Camozzi Group and the community in which the company started up its activities and where it still operates and thrives today. Precisely for this reason, as a business group we have always tried to **support our local community and give back what it has provided us with over the years**. This strong bond is the basis of our support for associations that operate in the Brescia area and deal with various social needs, addressing various segments of the population.



There is a strong bond between Camozzi and the Brescia area: support, growth and development are its most significant expression.



Approach to the Covid-19 emergency: pragmatism and solidarity

Covid-19 hit hard all the countries in which we operate and required prompt action to protect our workers. At all our Italian companies we adopted the social distancing and personal protection measures required by the government, making sure that the directives were respected and the company activities could take place in total safety.

Remote work was introduced if

permitted by the type of job, and giving workers the option to return to the company every other day, when allowed by government directives.

We gave free swab tests to all workers at the company's expense with the objective of controlling the spread of infection.

To ensure that the workers of our

foreign companies could also carry

Attention to our workers, support for local communities, innovation for the benefit of everyone: our actions to cope with the effects of the pandemic.

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out their activities safely,
we extended the rules applied
in Italy to all Group branches,
with the requirement to adopt
them as a minimum standard
for their own business activities.
Moreover, we ensured that workers
whose activities required travelling
abroad were adequately trained
and, for their protection, medical
insurance policies were taken out
with greater coverage than that
already provided for the various
categories of workers.

To stand tangibly alongside the Brescia community, wherein the Group took its first steps, the Camozzi Group donated eight respirators to Spedali Civili and Poliambulanza, the two main hospitals in the city of Brescia and those most involved in assisting the local population affected by Coronavirus. The donation was made possible thanks to consolidated collaboration relationships with Siare Engineering, the main Italian manufacturer of pulmonary ventilators, of which Camozzi Automation is a supplier. The donated respirators represented an indispensable aid for medical staff who worked tirelessly every day to ensure the best care for hospitalised patients. Like many other enterprises in the province of Brescia and

throughout Italy, we sponsored

the fundraising initiative for the health care institutions in Brescia called #aiutiAMObrescia.

The campaign managed to raise over €18 million, which was used for the purchase of the necessary equipment, PPE, medical transport, as well as for the augmentation of intensive care wards, local hospitals and support for vaccination activities.

Finally, we supported the Brescia Caritas with the donation of food purchased from the San Patrignano Community.

Our support for the Brescia community (and beyond)

We support Fondazione San
Benedetto di Brescia, engaged in
cultural and professional training,
a commitment addressed to young
people above all and aiming to
sponsor social and educational
projects or projects aimed at creating
jobs and new entrepreneurship.
Every year, we work alongside
Associazione Amici degli Anziani
di Lumezzane, which is provides

company and comfort to the elderly, offering recreational activities, trips or simple exchange opportunities and encounters aiming to prevent loneliness.

Our commitment also seeks to reach young people by sponsoring the Lumezzane Football Club, which supports men's and women's teams, allowing local boys and girls



to practice sports and develop relationships and team spirit.

In 2020, we also contributed to the project OspitiAmo of Fondazione della Comunità Bresciana, aimed at providing the new Via Trivellini dormitory with equipment and furnishings to accelerate the reception of guests. An initiative to support the most vulnerable people who live on the margins of the

community and help them regain their independence and dignity nd take back their lives.

Solidarity activities were also carried out for the benefit of parishes and volunteer groups in the Trompia Valley, for deserving students through scholarships, entertainment initiatives in pediatric hospital wards and tourism promotion in the Brescia area. Lastly, going beyond the provincial

and Italian borders, we supported the non-profit organization Take Care Kids, which carries out activities for the benefit of children and mothers in need in Thailand.

ActiveSport: sports activities are for everyone

For over 10 years, we have enthusiastically supported the projects of ActiveSport and its dedication to people who have suffered a disabling physical trauma, because we share their mission: to allow more and more people

with disabilities to practice a recreational or competitive sport for free by promoting social inclusion and an active lifestyle.

ActiveSport, founded and managed by people with motor disabilities, is today a point of contact

Camozzi sponsors
sports activities for people
with disabilities, because
sport is an instrument
of integration and a source
of well-being

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nationwide for Paralympic sports such as wheelchair tennis, hand bike, swimming, badminton and sailing. Activities are open to everyone: men, women, children, who have the opportunity to undertake a recreational or competitive path. We are Main Sponsors of the international wheelchair tennis tournament "Camozzi Open - Memorial Cav. Attilio Camozzi", which hosts athletes from all over the world. Due to the pandemic situation, the latest editions were postponed or replaced by the Regional Championships, but we hope that sport may once again become a vehicle for social inclusion, health and fun in 2022.



The restoration of the Vittoria Alata (Winged Victory)

The artistic recovery of the Winged Victory, one of the most representative symbols of the city of Brescia and its cultural heritage, represented an initiative expressing the deep bond between Camozzi, the people and the community in which it operates.

At the end of 2020, the statue returned to Brescia after three years of restoration in Florence at Opificio delle Pietre Dure, where the conservation works made it possible to improve the

internal structure of the statue and restore the original skin complexion. The initiative was proposed by Fondazione Brescia Musei and by the Municipality of Brescia, with the contribution of the Camozzi Group, with the aim of making works of art in the Brescia area accessible to everyone in order to promote culture, knowledge of and respect for community resources, as well as to leave a legacy for future generations.

The contribution of the Camozzi Group to give back to the city of Brescia a piece of its cultural and artistic heritage.



Camozzi for Film Festival del Garda 2020

Our support for the cultural and artistic development of the local community of San Felice del Benaco.

Like every year, Camozzi was the main sponsor of the Garda Film Festival, an international film event that takes place in San Felice del Benaco every year.

In the 2020 edition, the festival was remodelled into an online event, which made it possible to broadcast content such as interviews, audience reactions and 50 films, in a format for everyone, including teenagers and children of all ages.

The festival is an important occasion for the cultural and social promotion of a town like San Felice del Benaco, where the public can share, learn about and discuss ideas thanks to cinema.

This year too, many topics were addressed in the virtual screenings

and meetings that animated the festival, touching on concepts such as community, differences and respect explained to children, but also topics such as the importance of culture in Italy and the role that women occupy within it.

As every year, the prize "Premio Città Di San Felice Del Benaco" in memory of Cav. Attilio Camozzi was awarded, this year to director Mila Turajlić, who made the film The Other Side of Everything.

The award is based on the votes of the public, who every year identify a film-maker who has stood out by addressing social and community issues, which have always set the Festival's vision apart from other festivals.





The collection of data for the 2020 Sustainability Report involved the Italian companies with the future aim of extending the scope thereof to all Camozzi Group companies. Quantitative information regarding people and the environmental impacts of the companies operating in Italy are reported in this section.



Camozzi's values and principles see us committed to ensuring respect and appreciation for all our employees.



The employees working at the Group's Italian companies are 1,256 in total and represent 46% of the Group's entire corporate population. 55.3% of Italian employees work in the Automation division, 22.9% in the Manufacturing division, 11.5% in the Machine Tools division and 9.4% in the Textile division. The remaining 1% is employed in the Digital division.

Employees by gender

Division	20	19	2020	
	Men	Women	Men	Women
Automation	535	153	537	157
Digital	10	-	12	-
Machine Tools	140	10	135	9
Manufacturing	287	17	272	16
Textile	114	10	108	10
Grand total	1086	190	1064	192

During 2020, the number of our employees in Italy remained almost unchanged, with a turnover rate, calculated as the flow of employment relationships concluded during the year, 3.5% lower than the previous year.

	2019	2020
Departures	164	119
Total employees	1276	1256
Turnover rate	13%	9,5%

Employees by category and gender

Category	20	19	2020	
	Men	Women	Men	Women
White Collar	421	85	424	84
Blue Collar	665	105	640	108

Employees by age and gender

Age	2019		2020	
	Men	Women	Men	Women
< 30	208	18	195	22
30 < x < 50	515	119	509	103
> 50	363	53	360	67
Grand total	1086	190	1064	192

Nearly 50% of Camozzi people in Italy are aged between 30 and 50, which indicates a young but experienced and competent company population. One of the Group's objectives is to progressively increase the presence of young people under 30 to facilitate their entry into the world of work, contribute to the development of their talent and bring constant dynamism and innovation within our companies.

Employees by age, gender and contract

Open-ended employment	20	19	2020	
	Men	Women	Men	Women
< 30	153	11	168	15
30 < x < 50	500	104	501	96
> 50	358	52	355	65
Grand total	1011	167	1024	176

Fixed-term employment	2019		2020	
	Men	Women	Men	Women
< 30	55	7	27	7
30 < x < 50	15	15	8	7
> 50	5	1	5	2
Grand total	75	23	40	16

During 2020, open-ended contracts increased from 92.3% to 95.5% in total, which shows the Group's wish to respect and appreciate the work of our people.

Occupational health and safety

Total number of hours worked

	2019	2020
Employees	261,782	251,921
Temporary workers	55,595	58,441
Women	317,377	310,361

	2019	2020
Employees	1,731,137	1,584,041
Temporary workers	230,380	183,029
Men	1,961,516	1,767,070

Number of injuries

	2019	2020
Employees	0	3
Temporary workers	2	0
Women	2	3

	2019	2020
Employees	39	15
Temporary workers	3	4
Men	42	19

	2019	2020
Injury rate	19,3	10,6
Severity score	0,47	0,23



In 2020, we recorded a considerable decrease in accidents in the workplace, with a frequency rate that fell from 19.3 to 10.6 and a severity score that was reduced by 51%, which emphasises our operators' increasing attention to occupational health and safety issues.

Our environmental impact

We are committed to managing and minimising the environmental impact associated with our activities, in particular by developing actions designed to achieve greater energy efficiency, less waste production and an increased recovery thereof.

Energy consumption

	u.m.	2019	2020
Energy from non-renewable sources	GJ	97,142.69	79,797.43
Petrol/Diesel	GJ	7,823.21	3,090.72
Natural gas	GJ	89,319.48	76,706.72
Purchased electricity	GJ	192,111.48	180,399.99
Purchased energy for heating	GJ	16,471.12	17,542.44
Self-produced energy from renewable sources	GJ	9,848.72	9,964.80
of which fed into the grid	GJ	902.48	951.92
Total energy consumption	GJ	314,671.53	286,752.75

Source: DEFRA

In 2020, the reduced energy consumption was partly due to a drop in production caused by the Covid-19 emergency situation. However, it should be emphasised that the initiatives we undertook made it possible to reduce specific energy consumption by 4.4% compared to 2019 (GJ / production value). As a result, there was a reduction in specific emissions.

CO₂ emissions

	u.m.	2019	2020
Scope 1 emissions	tCO ₂ e	199.10	162.44
from Petrol/Diesel	tCO ₂ e	18.44	7.28
from Natural Gas	tCO ₂ e	180.66	155.15
Scope 2 emissions	tCO ₂ e	44,791.71	42,061.48
Purchased electricity	tCO ₂ e	44,788.87	42,058.45
Energy for heating	tCO _z e	2.84	3.03
Total Emissions (Scope 1 + Scope 2)	tCO ₂ e	44,990.82	42,223.92

Source: DEFRA

In 2020, the waste produced decreased from 10,522 tons in 2019 to 9,776 tons in 2020.

This decrease was in part linked to lower production, but the increase in waste sent for recovery is a figure that should be emphasized: it reached 96.9% of total (hazardous and non-hazardous) waste produced in 2019 and 97.9% in 2020.

Waste

	u.m.	2019	2020
Hazardous waste disposed of	tons	258.05	154.96
Hazardous waste recycled	tons	232.51	242.71
Non-hazardous waste disposed of	tons	73.10	53.67
Non-hazardous waste recycled	tons	9,958.33	9,325.11

The mix of materials used for our productions mainly includes ferrous materials and various metal alloys. The quantities used in 2019 and 2020 did not undergo particular changes.

Materials

	u.m.	2019	2020
Plastic	tons	586.20	654.30
Paper and cardboard	tons	453.90	389.40
Aluminium	tons	1,536.30	1,424.95
Wood	tons	877.21	789.99
Соррег	tons	12.10	11.2
Ferrous materials	tons	11,290.00	10,082.40
Mineral oils	tons	117.20	136.91
Brass	tons	2,086.20	2,181.3

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