

ASIAN SPOTLIGHT

THE LATEST NEWS AND PRODUCTS FROM ASIA

TERRA DRONE CORPORATION SOLIDIFIES SOUTH ASIA PRESENCE

Terra Drone Corporation (TDJP), a Tokyo-based technology company and one of the global leaders in the Unmanned Aerial Vehicles (UAV) total solutions provider and enabler, is now officially in Malaysia. With a real physical presence in more than 15 countries, TDJP incorporated their latest entity, **Terra Drone Technology Malaysia Sdn Bhd** (TDMY) in Kuala Lumpur on 24th February 2020. Based in Technology Park Malaysia, TDMY will be providing **drone survey, inspection and industrial services** for multiple

industries such as Oil & Gas, Telecommunications, Power, Construction, Agriculture, Government Agencies, among others. The objectives are not so much to compete against the existing Drone Service Providers (DSP), not aiming to be the number one DSP in Malaysia, nor not even to disrupt what was already disrupted by the existing DSP. Instead, TDMY's main objective is to bring the TDJP's global and industrial technologies to Malaysia so as to spur Malaysia's drone Industrial Revolution. www.terra-drone.net



IXBLUE, WOOLPERT PARTNER TO DELIVER LIDAR MAPPING SERVICES TO NEW ZEALAND COUNCILS

Woolpert, and iXblue Sea Operations division, part of the French based iXblue Group, have been awarded two significant airborne LiDAR mapping projects in New Zealand covering over **38,500 square kilometres** for the Hawke's Bay and Waikato regional and local councils. These projects are part of the New Zealand government's **Provincial Growth Fund LiDAR programme** in which Ministry of Business, Innovation and Employment, Land

Information New Zealand and Councils are working together to develop **3D models of landscapes** that contribute to the economic development of regional New Zealand. The LiDAR information has intended use with land management decisions, roading design, precise understanding of sea-level rise impacts, stormwater design, and geohazard mapping including surface change, faults, liquefaction and slips. www.woolpert.com



INDIA: RESEARCHERS TO PREDICT FLOOD DAMAGE USING SATELLITE DATA

As India recovers from the devastating effects of cyclones Amphan and Nisarga, world-renowned water researchers, HR Wallingford, will develop a method to **predict damage from future flooding**. Working for the Met Office Weather and Climate Science for Service Partnership (WCSSP) India project and supported by the UK Government's Newton Fund,

specialists will use **Earth Observation (EO) data** from satellites to assess the likely impacts of flooding on **buildings and farmland** across the country. The results of the project are expected to inform the way similar challenges are tackled around the world. Initially, the work will focus on three areas in **Kerala, Southern India**, which experienced devastating flooding during

the monsoon rains in both 2018 and 2019. The 2018 Kerala floods led to hundreds of deaths, huge landslides, and temporarily displaced hundreds of thousands of people. The financial and livelihood costs were immense, with the Financial Times reporting an estimated US\$2.7bn worth of damages to homes, roads and huge tracts of farmland. www.hrwallingford.com

AUSTRALIAN COLLABORATION TO DELIVER OUTSTANDING GYROSCOPE TECHNOLOGY

Australian researchers and industry partners will collaborate to design and manufacture the world's most precise, compact and cost-effective gyroscope, in a new \$AUD8.7 million project. Ultra-high-performance gyroscopes can be used to improve the **navigation and safety of autonomous cars**, correct the course of satellites travelling at 11,000 km/h and enhance the precision of drones used for remote inspection of infrastructure. While accurate positioning is a critical function in industries such as transport, infrastructure and space, current technical

solutions are expensive, large or energy-hungry. The new project led by **navigation system manufacturer Advanced Navigation**, with research partners RMIT University, The Australian National University (ANU) and commercial partner Corridor Insights, will cut the cost of ultra-high-performance gyroscopes by 85%. The project has been supported through an \$AUD2.8 million Cooperative Research Centre Projects (CRC-P) grant to Advanced Navigation, announced by Australian Minister for Industry, Science and Technology, Karen Andrews. www.rmit.edu.au

