

Kinesis Telematics Keeps Canoeists on Track

Kinesis is tracking the movements of canoeists - and canoes - on the road following the installation of GPS trackers on a fleet operated by Hire a Canoe. Offering canoe, kayak and paddle boarding experiences in the UK, Hire a Canoe uses the **vehicle tracking** to manage the transport of clients to and from their water sport activity. **Real time traffic updates** and **live Estimated Time of Arrival calculations** are helping to improve customer service whilst advanced geofencing ensures the out of hours security of vehicles. Hire a Canoe offers a range of experiences from short canoe taster sessions to five day expeditions. Kinesis provides vehicle locations, displayed in real time against an easy to interpret map, to track customer transport between its two operational centres and a variety of riverside pick up points. The live tracking with real time traffic alerts

is also used to calculate accurate ETAs for customer pickups. www.kinesisfleet.com



Bluesky Adds to International Aerial Archive with 2019 Flying Success

International aerial mapping company **Bluesky** has completed another successful survey season in the UK and Ireland. Capturing around **70,000 square kilometres of aerial photography** – of which about 70 percent is high resolution – the total area flown equates to around twice the size of the Netherlands. In addition to the true ortho photography, which is used to create **3D height models** of the earth's bare surface (Digital Terrain Models / DTM) and **ground features** including buildings and trees (Digital Surface Models / DSM), Bluesky has captured Colour Infrared imagery of the entire area. This CIR imagery can be used to create environmental maps which help determine the health and state of vegetation. Bluesky has also been busy capturing **vertical and oblique imagery** and **LiDAR** (Light Detection and Ranging) data of London and other cities, using the world's first hybrid airborne sensor, for its MetroVista urban mapping programme. www.bluesky-world.com

'Thinking Digital' with Web GIS

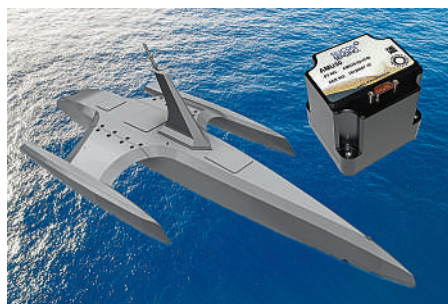
Welwyn Hatfield Borough Council is undertaking a comprehensive modernisation programme to improve access to services. As part of its 'Think Digital' strategy, it required a new system that would interactively support spatial data from across the Council. The system had to offer a web based front end and deliver public access via mobile phones and tablets. The Council selected **Cadcorp SIS WebMap**, an off-the-shelf application suitable for intranet, internet and mobile device use. This included **Cadcorp Local Knowledge** that automatically returns answers to questions about a locality, and **ReportIT** to allow users to report and locate incidents on a map. An Edit facility is available for specific internal users of SIS WebMap to create and maintain spatial data. Underpinning the system is the geospatial web services engine, **Cadcorp GeognoSIS**. www.cadcorp.com



Mayflower autonomous ship to use AMU30 devices

Two Silicon Sensing Systems ultra-precise **AMU30 inertial measurement units (IMUs)** will provide critical navigation data to the autopilot capability for the **Mayflower Autonomous Ship (MAS)** throughout her milestone trans-Atlantic voyage this autumn. Setting sail this September, the 15 meter-long, 5-ton MAS400 will repeat the Mayflower's original epic voyage 400 years ago. Led by marine research organization **ProMare** and powered by **IBM**, she will sail from Plymouth, England to Plymouth Massachusetts, USA. Instead of a captain and crew, she will use **computer vision, machine learning, edge technologies** and **sensors** to navigate and detect hazards. Silicon Sensing's AMU30 devices will form two vital units

within the MAS navigation suite, constantly delivering precise 3-axis data on angular rate and acceleration plus roll, pitch and heading angles, altitude and pressure, and temperature to the ship's autopilot. www.siliconsensing.com



exactEarth and Hisdesat Announce Multi-Year Contract

exactEarth and Hisdesat announced that in partnership they have been selected by the **European Maritime Safety Agency ("EMSA")** to provide satellite-AIS data services for a four-year period. All financial terms are in Canadian dollars unless otherwise stated. Hisdesat, as prime contractor, will provide EMSA with exactView RT, exactEarth's second-generation real-time satellite-AIS data service. Actual revenues under this framework contract will be determined by the task orders placed by EMSA, which is at their sole discretion, but based on their prior service expenditure history, exactEarth estimates that it could generate revenues of between \$5.0-\$7.0 million for the Company over the life of the contract. www.exactearth.com

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