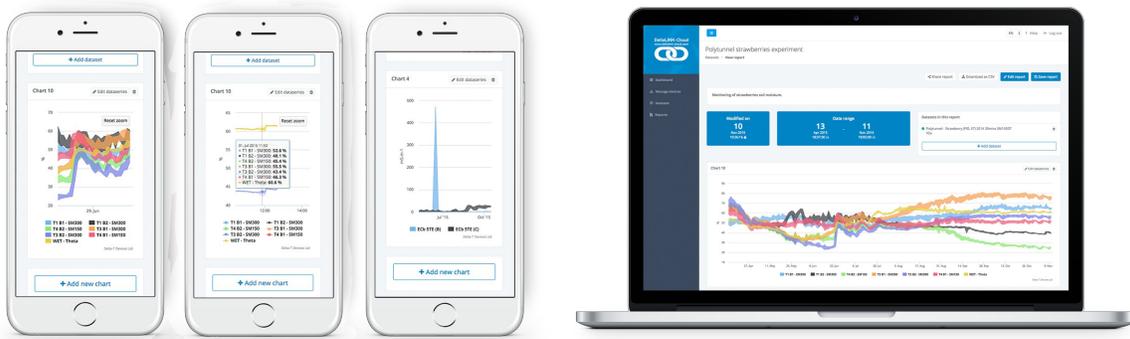




White October

Press Release
January 2016

White October app enables cloud connectivity among Delta-T data loggers



Oxford digital agency White October has developed a web application for Delta-T Devices' new DeltaLINK-Cloud facility which enables users to easily visualise, interpret and share data from data loggers installed in a range of research and environmental monitoring projects.

The web application takes large volumes of complex data collected by Delta-T loggers and presents it in a simple, easy interface which gives interactive charts, builds reports and enables sharing. Working closely with Delta-T, White October developed the application using Angular and Node.js on Amazon's cloud platform.

The system also uses Elasticsearch to store the significant quantities of time series data produced by the sensors, enabling it to be quickly interrogated to produce reports and graphs. Elasticsearch is able to handle large datasets and contains integrated tools such as resampling. Data is visualised using Highcharts interactive charts, allowing users to easily zoom into or out of the data by selectively clicking and dragging across the chart information.

The application is multilingual ready and is currently translated into five languages, enabling the platform to cater for Delta-T's worldwide audience.

Chris Jones of White October says: “This is exactly the type of challenge we love as it tested us from both technical and user interface design perspectives. By taking large amounts of complex, time-series data, originating from different sources, and presenting it in a simple way, we believe the new digital platform complements Delta-T’s award winning hardware.

“We are proud to have built such an effective solution in partnership with Delta-T.”

DeltaLINK-Cloud can be accessed at www.deltalink-cloud.com. Visitors can explore the features of the site, and instantly experiment with live demo data to quickly understand the benefits that the service offers.

DeltaLINK-Cloud is used with Delta-T data loggers, offering secure cloud-based connectivity, data management, and automatic data retrieval. The DeltaLINK-Cloud website makes it simple to monitor the status of devices, graph uploaded data in multiple visual styles, combine datasets, and export data. It also enables users to easily and quickly share access to reports (including live data) with project collaborators/stakeholders across the globe. Website functionality is accessible from most Internet-enabled devices.

The platform enables Delta-T GP2, GP1 and DL6 data loggers to be connected to DeltaLINK-Cloud using a Delta-T Devices GPRS “gateway.” Data upload schedules can be customised from DeltaLINK-Cloud. Delta-T provides SIM cards for the GPRS modem, creating an optimum user experience and support service. These Smart SIM cards can even connect to multiple network providers - helping to ensure a stable connection at all times.

Status (power level, signal strength, etc.) can be monitored and program-settings (feature coming soon) changed remotely. Reports can contain charts for data from one or more loggers. Charting is customisable and can be saved in report form for future use – shareable via a unique system-generated URL link.

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Established in 1971, Delta-T Devices specialises in instruments for environmental monitoring with a strong focus on soil moisture, meteorology, agronomy, and solar energy studies. For more information about Delta-T products and services, contact Dominic Cahalin at Dominic.Cahalin@delta-t.co.uk. View the Delta-T news release on DeltaLINK-Cloud [here](#).

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White October works unusually closely with clients to design, develop and build digital products. We’re innovative and sensible. We care about the best solution – not the most expensive one. And we’re proof that you can be digital experts and good communicators. Visit www.whiteoctober.co.uk, call 01865 920707 or follow @whiteoctober on Twitter.

Contact Karen David on 07989 439291 or karen@spriggsdavid.co.uk