

WATER / CATCHMENT MANAGEMENT - PEATLAND

# BREAKTHROUGH SATELLITE DATA ANALYTICS FOR PEATLAND MONITORING AND RESTORATION

## COMMERCIAL DECISION SUPPORT

Rezatec helps businesses make critical business decisions about their land-based assets through the analysis of increasingly sophisticated Earth Observation (EO) imagery and data. By using proprietary algorithms, machine learning and data modelling we drive profit and substantially reduce the cost of monitoring and predicting land use change and environmental risk.

With subscription-based access to our geospatial data intelligence portal, our customers benefit from regularly updated analytical insights that simply aren't possible through traditional landscape data-based reports.



**Rezatec**

Photo: USA

## THE PROBLEM WITH PEAT

Degraded peatlands, caused mainly by human disturbance, release dissolved organic matter and other sediments into surface water at an alarming rate. When the problem is left unchecked, water needs to be treated at considerable cost before it can enter drinking water supplies. Water companies need to maintain healthier peatland ecosystems to act as a positive source of carbon sequestration, water storage and drinking water.



## MAKE BETTER DECISIONS USING ADVANCED VISUALISED SPACE DATA

- + Get unprecedented insight through Earth Observation (EO) data that maps, measures and monitors peat integrity and water quality
- + Identify the source of peat diffuse pollution and where it ends up using topographic and hydrological analyses
- + Access easy-to-understand visualised analytics through an online, subscription-based geospatial portal
- + Use tools such as colour coded risk maps to support decision making around the relationship between peatland integrity and water quality



## SOLVE PROBLEMS MORE COST EFFECTIVELY WHILE IMPROVING QUALITY AND EFFICIENCY

- + Better prioritise remediation activities for improved resource and budget management
- + Tackle water quality more effectively at source rather than through expensive treatment works downstream
- + Map, measure and monitor unlimited areas without the expense of deploying people on the ground
- + Improve water quality across multiple adjoining catchments while also complying more easily with drinking water regulations
- + Improve management of flora and fauna and carbon sequestration for wider environmental, social and economic benefits

