The forecasting solution for a dynamic and changing world

Opticast® is an industry-leading, high-precision forecast system from DTN is optimized for real-time nowcasting out to 15 days, delivering profitable knowledge.

When the weather poses a risk to your business, accurate, trusted weather data is invaluable. Precision forecasts can support optimal operational decisions and planning, helping operators protect personnel and assets while improving system efficiency.

Intelligent adaptation

Opticast is an intelligent forecast system that adapts to the local conditions of your site area, responding to rapidly changing conditions. Powered by machine learning, it can forecast winds that are undetectable by global or regional weather forecast models.

Rapid updates

Delivering an updated forecast every five minutes, Opticast utilizes on-site observations for real-time verification, providing greater accuracy. Choose from a suite of meteorological parameters, including air temperature, atmospheric (barometric) pressure, humidity, precipitation, and wind, to customize your interface.

Global NWP data integration

Opticast thinks outside the box, integrating the best global and regional Numerical Weather Prediction models. Through advanced statistical techniques, it removes model bias to deliver a forecast optimized to your local environment

Scalable science for dynamic advancement

Powered by advanced machine learning and data science technology, Opticast's robust infrastructure allows for constant evolution. Our dedicated team of data and forecast scientists offers 24/7 support.

Powering smarter weather decisions

Opticast accounts for your decision-making processes and severe weather thresholds to provide clear, actionable insights to help guide you through anticipated weather conditions.

Your trusted global forecast solution

Opticast is your cloud-based data solution tailored for global deployment. It responds and adapts to any challenging environment, anywhere.

www.dtn.com/mining/