OUR HISTORY

1983 – Associated Weather Services is incorporated offering atmospheric field measurement, air quality studies, forensic meteorology for law suits and insurance claims, solar and wind feasibility studies.

1990 – Company becomes AWS Scientific and primary work shifts into renewable energy siting, designing, building and monitoring solar and wind demonstration projects.

1997 – Contract awarded to write a Wind Resource Assessment Handbook providing fundamentals for conducting a wind monitoring program on behalf of NREL.

1998 – Brower & Company, MESO, Inc. and AWS Scientific create Truewind Solutions, pioneering high-resolution wind maps and establishing itself as the first commercial wind forecasting firm in North America.

1998 – Automated forecasting service eWind® is developed.

2000 – Truewind Solutions consolidates to form AWS Scientific and Truewind Solutions.

2004 – AWS Scientific and Truewind Solutions consolidate to form AWS Truewind and growth surges.

2007 – Received Wind Energy Program Outstanding Technology Acceptance Award from the US DOE for advanced wind mapping technology.

2007 – Selected by the Alberta Electric System Operator (AESO) to participate in the first wind forecasting integration study in Canada.

2008 – Awarded contract from NREL to model the potential impacts of increased wind generation on the utility grid in the eastern United States.

2008 – Completed first high resolution US wind map using proprietary MesoMap® system.

2008 – Released first high-resolution US wind map and launched web-based wind prospecting application windNavigator®.

2008 – Presented ground breaking study addressing the issue of wind plant underperformance “Understanding and Closing the Gap on Plant Underperformance.”

2008 – Released openWind® Community, an open-source wind farm design and optimization software.

2009 – eWind® forecasting system services over 14,000 MW of installed capacity throughout North America making it the most widely used forecasting service on the continent.

2009 – India office established.

2009 – Conducted Great Lakes Wind Study for the New York Power Authority to assess feasibility of offshore wind development.

2010 – Rebranded to AWS Truepower® to reflect expanded strategic focus on delivering a broader set of renewable energy development and operational solutions to global customer base.

2010 – Commercial launch of openWind Enterprise® - a GIS-based wind farm design and optimization software.

2010 – Provided NREL with high-quality offshore wind data to conduct a study that determined the US has 4,150 gigawatts (GW) of offshore wind potential.

2011 – Merged with Meteosim Truewind in Barcelona, Spain and established a European office.

2011 – Received Export Achievement Award from the US DOE for international growth and job creation.

2012 – Performed grid integration study to assess impacts of solar PV for the Ontario Power Authority.


2012 – Launched H2Ocean project in Barcelona to design an open-sea platform for offshore wind.

2012 – Established Brazil office and partnered with Aires Renewables to offer wind and solar services in Argentina, Chile, and Uruguay.

2013 – Formed partnership with Enerpark Inżynieria Wiatrowa in Poland to expand offering to Eastern Europe.

2013 – Achieved three decades of renewable energy consulting services.
AWS Truepower offers several advanced software tools and high-quality data and reports to support renewable project development and operations.

**OPENWIND® ENTERPRISE**

The most advanced wind project design and optimization software providing wind developers with a highly configurable suite of tools.

**WIND SITE ASSESSMENT DASHBOARD**

Provides easy online tools for prospecting, site qualification and energy assessment of potential wind project sites.

**WIND DATA MANAGEMENT DASHBOARD**

An online tool to manage meteorological tower measurement programs. The platform offers access to met-tower data to view statistics, monitor sensors, download monthly summary reports, and view raw and quality controlled data.

**PERFORMANCE ASSESSMENT**

Operational Plant Performance Reports
- Energy Production Reports
- Energy Variance Assessments
- Plant Performance Optimization
- IEC Turbine Testing
- Wind Anomaly Assessments

**FORECASTING**

Advanced Forecasting Services for Solar/Wind/Hydro
- Construction Forecasting
- Curtailment and Revenue Analysis

**RESEARCH AND PLANNING**

Grid Integration Studies
- Market Penetration and Resource Potential Studies
- Economic Impact Studies
- Economic and Policy Analysis
- Advanced Energy and Resource Modeling

With three decades providing technical services and independent advice for the onshore wind, offshore wind, and solar energy markets, AWS Truepower has earned its reputation for personal service, quality, transparency and responsiveness. We offer each client a customized approach to their unique situation.

**OUR PRODUCTS**

**PROJECT DEVELOPERS**

- Resource Assessment
- Site Screenings
- Wind/Solar Resource Monitoring
- SODAR & LIDAR Services
- Wind/Solar Resource Summary Reports
- Preliminary Layout Design and Energy Assessments
- Energy Production Estimates
- Energy Yield Reports
- Energy Production Reports
- Turbine Layout Design
- Environmental Assessment
- Noise Analysis
- Photo Simulations
- Shadow Flicker Analysis
- Viewshed Analysis
- Technology Assessment
- Turbine Suitability Forms
- Turbine Selection & Technical Reviews
- Power Performance Testing

**PERFORMANCE ASSESSMENT**

- Initial Circuit Capability Assessments
- Contingency Studies
- Reliability Studies
- Interconnection Application Support
- Site-Specific Electrical System Reviews
- Load Variability, Coincidence, and Ramp-Rate Studies

**INDEPENDENT ENGINEERING & DUE DILIGENCE**

- Data Room Reviews
- Onsite Inspections
- Third Party Independent Reviews
- Energy Production Reports
- Operational Energy Production Reports
- Portfolio Evaluations
- Technology Supply and Warranty Contract Reviews
- Pre-warranty Expiration Evaluation
- Capital Expenditures Estimates
- O&M Cost Estimates

**PROJECT DEVELOPERS**

- Bankable Energy Assessments
- Independent engineering, due diligence, and performance assessment services for banks, investors, and financiers to use in the financing of utility scale renewable projects. Banks and lenders worldwide accept our methods and reports as reliable representations of a project’s potential energy and revenue.

**OWNER / OPERATORS**

- Electrical Infrastructure Assessment
- Grid Integration Studies
- Turbine Suitability Forms
- Turbine Selection & Technical Reviews
- Power Performance Testing

**UTILITIES / GRID OPERATORS**

- Preliminary Layout Design and Energy Assessments
- Energy Production Estimates
- Energy Yield Reports
- Energy Production Reports
- Turbine Layout Design

**INVESTORS & LENDERS**

- Environment Assessment
- Noise Analysis
- Photo Simulations
- Shadow Flicker Analysis
- Viewshed Analysis

**OTHER SOLUTIONS**

**WIND SITE ASSESSMENT DASHBOARD**

Provides easy online tools for prospecting, site qualification and energy assessment of potential wind project sites.

**WIND DATA MANAGEMENT DASHBOARD**

An online tool to manage meteorological tower measurement programs. The platform offers access to met-tower data to view statistics, monitor sensors, download monthly summary reports, and view raw and quality controlled data.

**Our clients**

- We have developed tools for performance evaluations using a plant’s operational data to identify opportunities for performance improvement, and provide highly accurate, long-term energy projections. For investors, we provide bankable energy production reports based on operational data. These assessments provide a clear indication of normal operation and long-term energy projections with lower uncertainty than pre-construction assessments.

**Our products**

- AWS Truepower offers several advanced software tools and high-quality data and reports to support renewable project development and operations.

**Utilities / Grid Operators**

- We work with ISOs, RTOs, utilities, and governments to study the impact of integrating large-scale renewables into the electric grid, and plan for its transmission from supply to demand areas. ISOs and RTOs also need to predict the operational output from renewables in their regions days and minutes in advance to ensure the reliability of their electrical services. We provide minute-, hour-, day-, and week-ahead forecasts that are proven to be the most accurate in the industry.

**Government / NGOs**

- We work with all levels of government, providing information about regional resources, energy production potential, economic impact, and feasibility to help guide public policy. We have worked on behalf of numerous government agencies and public government organizations in the US and around the world to offer guidance as they make critical decisions on renewable energy policy and infrastructure.