

ML & AI for Utilities

Our data science team is adept at developing machine learning models across the advanced analytics spectrum, especially for utilities and energy companies. We have worked on multiple client engagements to create a suite of tools and capabilities that facilitate ongoing learning from data to bring continuous value through machine learning and artificial intelligence.

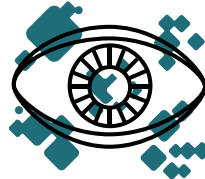
Utilities Use Cases



AI-Driven Operations

Mosaic helps customers manage increasingly complex operations & infrastructure. Our ML models have helped customers optimize workload planning decisions, inform efficient supply chain actions and embrace automation/digital transformation for their core business.

Customers: Atmos, Spire Energy, ExxonMobil, Exelon, Suncor Energy



Computer Vision & NLP

Utilities can train deep learning models to identify defects in their physical infrastructure, predicting mechanical degradation, and saving money through automation. NLP models can be trained to extract, interpret and generate human text.

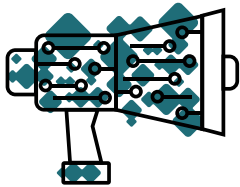
Customers: Exelon, US Navy, NASA, ExxonMobil



Load Forecasting | Yield Optimization | Grid Health

Forecast supply and demand in real-time and optimize economic load dispatch. With AI, power providers can optimize generation efficiency with real-time adjustments across their assets.

Customers: PPL, Suncor Energy, ExxonMobil, Louisville Gas & Electric, Alliant Energy, Exelon



AI-Driven Marketing

Mosaic helps utilities create better customer experiences through the application of AI & ML. Mosaic has helped others predict churn, behavioral segmentation, calculate lifetime value, predict sentiment, optimize pricing, and predict new growth regions.

Customers: J.Crew, Louis Vuitton, Suburban Propane, Spire Energy, Atmos Energy, Dr Pepper, Exelon



Predictive Maintenance & IoT Analytics

Mosaic designs & deploys custom sensor-based solutions powered by machine learning. Our models continuously monitor mechanical behavior to ensure smooth operation and prevent unexpected disruption.

Customers: ExxonMobil, Exelon, Boeing, Alliant Energy, Louisville Gas & Electric, PPL