

## **Data Pipeline**





## **USE CASE:**

A gearbox manufacturer was surprised to learn that failures in the field far outpaced what was expected from modeled and test cell behavior.

Anomalous vibrations could have contributed to unexpected failures and downtime. Fortunately, each gearbox has real-time sensors feeding back large amounts of data to the data center.

A comprehensive data access solution identifies when and where these vibrations occurred. Predictive maintenance and design optimization on future iterations of the gearbox will greatly reduce gearbox failures.

SOLUTION: Any solution must ease the process of ingesting real-time data and prepare it for advanced analytics. Data preparation and transformation of streaming data sets occurs in a "data pipeline" so the data center can handle large-scale inbound data. The Peaxy Data Pipeline offers data scientists a graphical integrated development environment (IDE) to design the most efficient data flow.



Aureum is a scalable data access platform that aggregates and manages data, helps users find useful data, and preserves and protects that data far into the future. It is used across industries and markets because the enterprise's most important strategic advantage is the ability to make data-driven business decisions. Many businesses are looking for ways to make the best use of their unstructured data, often contained in crown-jewel data sets spread across many physical locations.

