INNOVATE WITH YOUR DATA
Avoid the Data Black Hole

Innovate: Data, is Onica’s comprehensive Enterprise offering to help our customers avoid the data black hole problem. Innovate: Data provides our customers a clear path from data ingestion, through data pipelines, to actionable insights. We understand every organization’s data needs are different, whether it’s data lakes, visualization, data warehousing, analytics or machine learning. Using first class tools like Onica’s Data Science Workbench enables us to migrate data and deliver solutions quickly, efficiently and affordably. Leverage our experienced team of data engineers and data scientists to show you how to turn your data into a tool for innovation.

MAKE YOUR DATA WORK FOR YOU. DON’T WORK FOR YOUR DATA. ONICA CAN HELP YOU INNOVATE WITH YOUR DATA AT ANY PHASE:

**Data Engineering**
- For customers with existing on-prem data sources, or who are ready to democratize data and build mature cloud-native data workflows.

**Data Science / Machine Learning**
- For customers who are ready to put their data to work for them, with intelligent and actionable insights.
- **Onica’s Data Science Workbench**
  - Data cleaning and preparation
  - Algorithm selection
  - Model training
  - Inference endpoint deployment
  - Dashboards, Visualizations, Realtime monitoring and alerting

**Data Operations**
- For customers who need support operationalizing and maintaining their data processes.
- Managed Data Service (MSP for Data Practice)
- Meeting production requirements: uptime, SLAs, performance, reliability, DR
- Cloud cost monitoring and remediation

“73% of companies will invest in Big Data in the next 24 months. 60% of them will fail”

— Gartner

**First Class Support for delivering Data and Analytics solutions on AWS:**

**Amazon Sagemaker**
- Machine Learning
- Platform service that makes the entire process of building, training, and deploying ML models easy.

**Amazon Athena**
- Interactive Analytics
- Serverless pay-per-query service for analyzing data directly in S3 and Glacier using standard SQL queries.

**Amazon EMR**
- Big Data Processing
- Managed services that makes it easy, fast, and cost-effective to process vast amounts data from Spark & Hadoop frameworks

**Amazon Kinesis**
- Real-Time Analytics
- Service for collecting, processing and analyzing streaming data like IoT telemetry data, application logs, and website clickstreams.

**Amazon Redshift**
- Data Warehousing
- Service that provides the ability to run complex, analytic queries against petabytes of structured data.

**AWS Glue**
- Data Catalog
- Managed service that provides a data catalog to make data in the data lake discoverable, and has the ability to do ETL.
Customer Success: Medical Manufacturing Co (MDM).

The Customer: A global Life sciences company that seeks to manufacture a new line of cloud connected endoscopic surgical cameras, with an AI/ML workflow to correlate surgery length with positive outcomes.

What we did: Onica designed and deployed a systemwide cloud side serverless architecture for devices & iOS application. The HIPAA-Compliant solution synchronized data in real-time between camera systems, in-hospital server products, EMR systems, the cloud, and mobile applications. Onica implemented a workflow which correctly detected events by evaluating the video stream. Machine learning categorized each image state as inside or outside the body and inference model determined events from the changes in state estimates.

The Outcome:
- Globally scalable IoT-enabled endoscopic cameras that support thousands of physicians in multiple continents
- Solution provides real-time, remote access to critical surgical information
- Industry-first AI/ML workflow to correlate surgery length with positive outcomes
- Enabled modern collaboration and reinforced MDM's leadership role as a technology innovator in its industry.