




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 with 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 |  Data Science / Machine Learning |  Data Operations |
|---|--|--|
| <p>For customers with existing on-prem data sources, or who are ready to democratize data and build mature cloud-native data workflows.</p> | <p>For customers who are ready to put their data to work for them, with intelligent and actionable insights.</p> | <p>For customers who need support operationalizing and maintaining their data processes.</p> |
| <p>Data Migration</p> <ul style="list-style-type: none"> Discovery/Planning End-to-End, automated migration <p>Data Pipelines</p> <ul style="list-style-type: none"> Data Ingest Data Lakes Data Warehousing AI/ML from ingest to inference | <p>Onica's Data Science Workbench</p> <ul style="list-style-type: none"> Data cleaning and preparation Algorithm selection Model training Inference endpoint deployment Dashboards, Visualizations, Realtime Monitoring and Alerting | <ul style="list-style-type: none"> Managed Data Service (MSP for Data Practice) Meeting production requirements: uptime, SLAs, performance, reliability, DR Cloud cost monitoring and remediation |

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 Amazon S3 and Amazon Glacier using standard SQL queries.



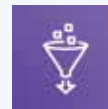
Amazon Kinesis
Real-Time Analytics
Service for collecting, processing and analyzing streaming data like IoT telemetry data, application logs, and website clickstreams.



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



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



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.

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

Onica Data Offerings



Premier
Consulting
Partner

IoT Competency

Data & Analytics
Competency

DevOps Competency

Migration Competency

Healthcare Competency

1 DAY Workshop: Data Pipelines and Data Lakes on AWS

All - Day

- ✔ Deploy and Manage Data Pipelines with Onica's Data Science Workbench
- ✔ Best Practices for hosting Data Lakes on AWS
- ✔ ETL, Data Warehouses, and Data Visualization
- ✔ AWS Data Tools Deep Dive: AWS Glue, Amazon Athena, Amazon S3, Amazon EMR, Amazon Redshift, Amazon Kinesis, Amazon Elasticsearch, and Amazon QuickSight

1 DAY AI/ML Immersion Days on AWS

9:00 AM -
11:30 AM

- ✔ Deep dive into AWS AI & ML Platform
- ✔ Hear how businesses in your segment are leveraging AI & ML today
- ✔ Collaborate around business drivers and desired outcomes

12:00 PM Lunch

12:30 PM -
3:00 PM

- ✔ Build a data pipeline from Amazon S3 to Amazon SageMaker
- ✔ Deploy ML models fast with existing sample data sets
- ✔ Identify problem formation ML method best practices

12 WEEKS AI/ML Quick Start: Workshops, Discovery, Data Modeling, & Environment Build Out

WEEKS
1 - 2

- ✔ Discovery & Solution Ideation Workshop
- ✔ Technical Deep Dive Demo: Workstream Envisioning
- ✔ Whiteboard requirements & high-level architecture
- ✔ Finalize project deliverables

WEEKS
3 - 12

2-Week Sprints, Demos, & Checkpoints:

- ✔ 2 Weeks: Data Discovery & Checkpoint
- ✔ 2 Weeks: Model Building & Demo
- ✔ 2 Weeks: Refining the Model & Demo
- ✔ 2 Weeks: Build out Infrastructure, Migrate Data, & Checkpoint
- ✔ 2 Weeks: Turn on, Test, Validate, Iterate, Review & Closeout

Customer Success: Medical Device Manufacturer

The Customer: A global Life Sciences Company 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 system wide 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 an inference model determined events from the changes in state estimates.

The Outcome:

- ✔ Globally scalable IoT-enabled endoscopic cameras that supports 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