The Operations Management System for **Water Utilities**

PRESENT BY

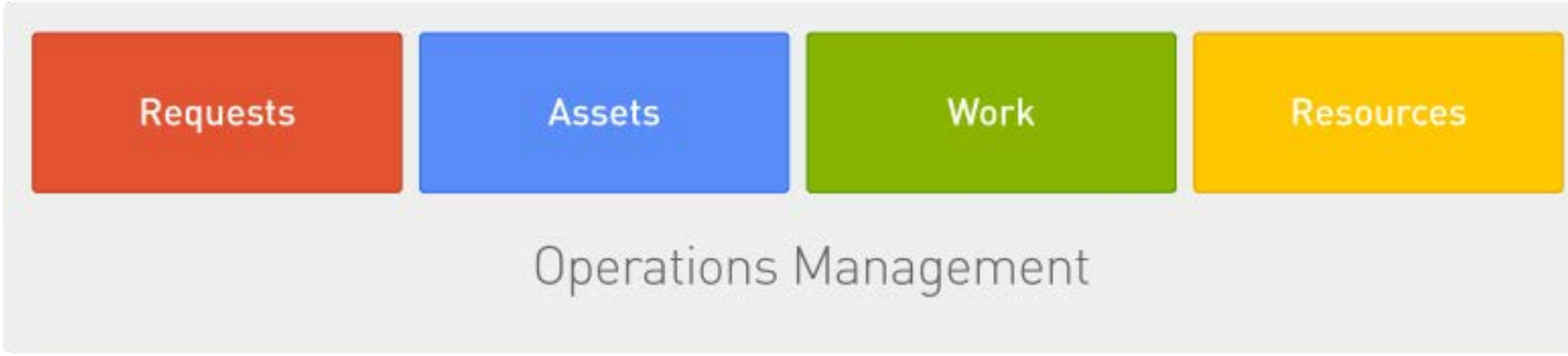
Cartègraph™

Cartègraph™

A little about us...

Cartègraph™


Trans
Water
Flood
Tree
Parks
Facilities
Fleet
YOUR GOV
YourGOV
Solutions

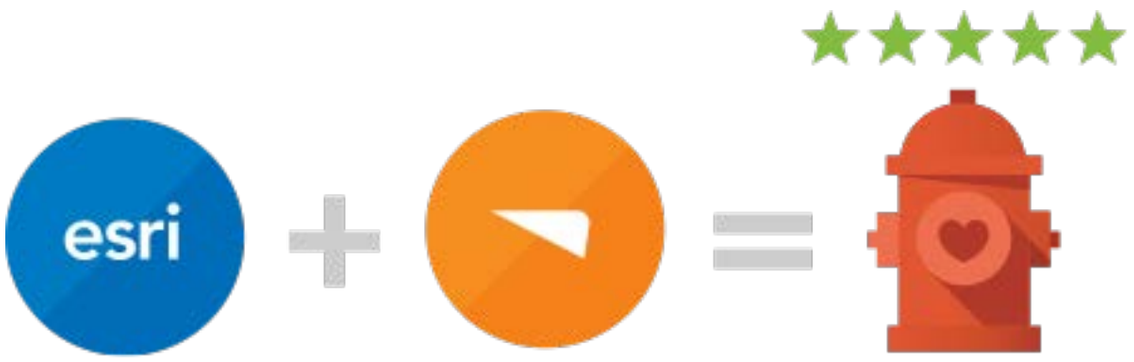

Requests
Assets
Work
Resources
Operations Management

Cartègraph™ + esri®

Connected like never before.

Cartègraph™

Together with Esri, we provide every Cartegraph user an ArcGIS Identity. One sign in, two powerhouse platforms. It's that simple.



Cartègraph™

Distribution

Storm

Waste

Plant

Water Solution

Requests

Assets

Work

Resources

Operations Management

Cartègraph™

Water Distribution Network

Water Lateral

Water Pump

Water Main

Water Meter

Water Hydrant

Water Valve

Water Storage Tank

Water Facility

Water Backflow

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Waste Water Network

Sewer Main

Sewer Pump

Sewer Force Main

Sewer Manhole

Sewer Lateral

Sewer Cleanout

Sewer Facility

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Storm Water Network

Storm Outlet

Storm Basin

Storm Facility

Storm Culvert

Storm Pump

Storm Pipe

Storm Manhole

Storm Inlet

Storm Channel

Cartègraph™

Water Plant Assets

Pumps

Motors

Generators

Gas Detector

Water Facility

Filters

Tanks

Reservoirs

Monitor

Hvac

Aerators

Chlorinator

Chlorine Analyzer

Valve

Water Plant Operations Management

The Goal

Be more proactive.

Case Study

Joint Water Commission

Primary Drinking Water Supplier to Communities in
Washington County, Oregon

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A little about...

Joint Water Commission

- 400,000 Customers in Washington County, OR
- 17 Person Team
- 2000+ Plant Assets
- 22,000+ Completed Tasks Since 2010
- 8,059 Tasks Last Year
- 423 Work Orders Since 2010

JWC's goal was to become more proactive to improve service and save dollars.

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Real Results

Strategic Preventative Maintenance

Between 2014 and 2015

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Measurable Benefits

Pattern Recognition

Automation

Real-Time Information

Data-Driven Decisions

Happier Teams

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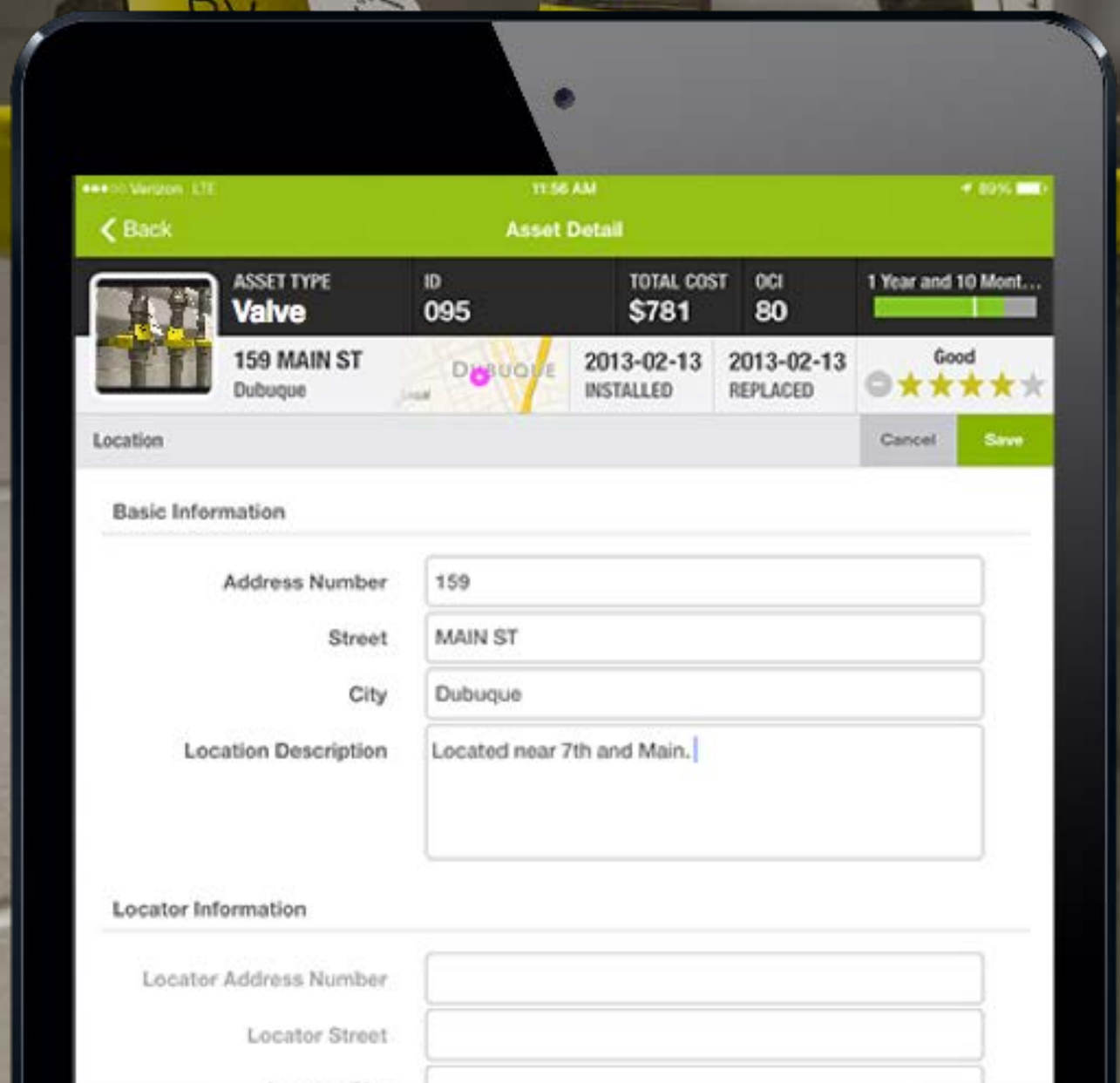
So how do you do it?

The Process

What do you have?

Inventory Your Assets

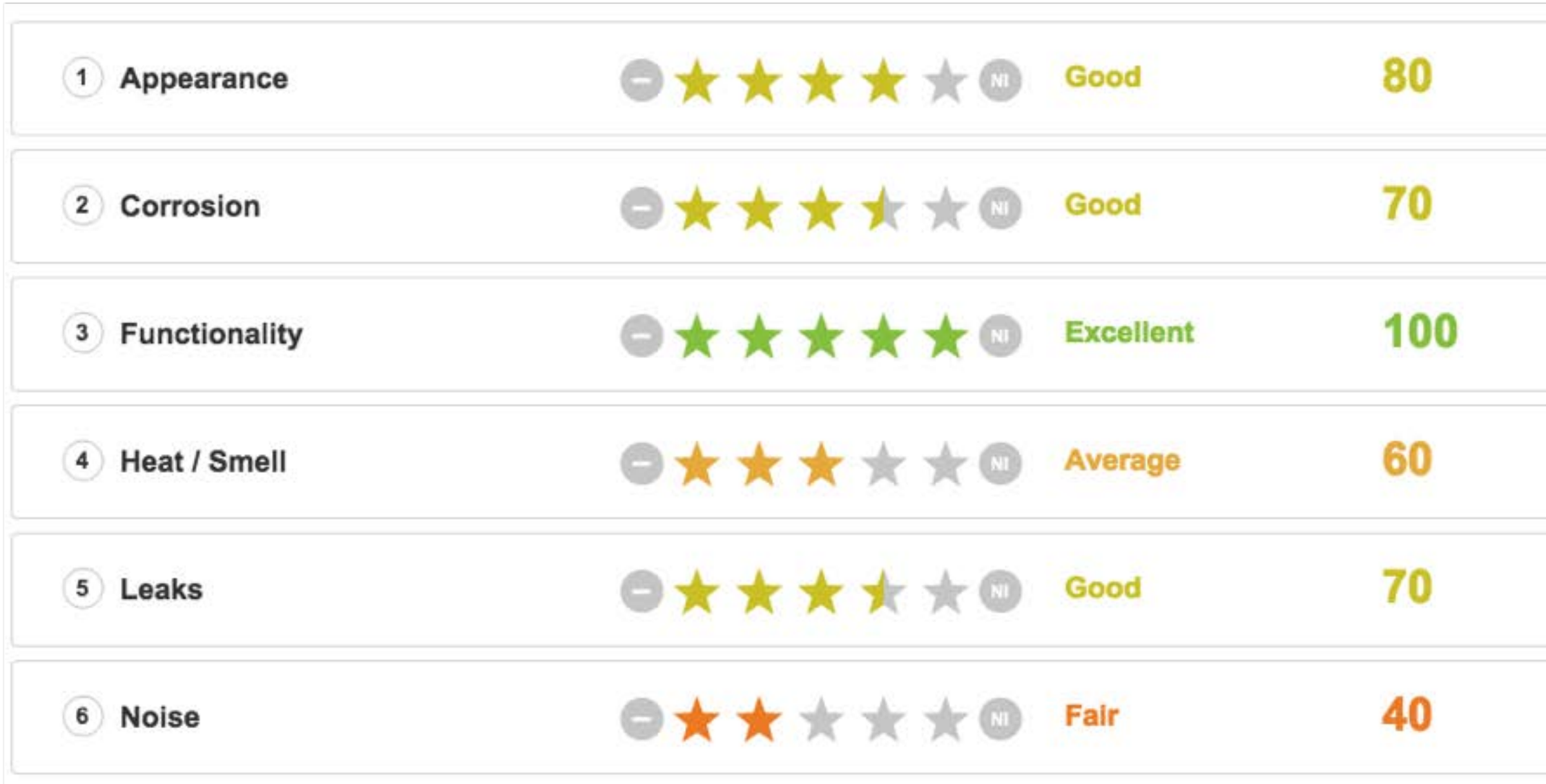


How is it all connected?

Asset Relationships

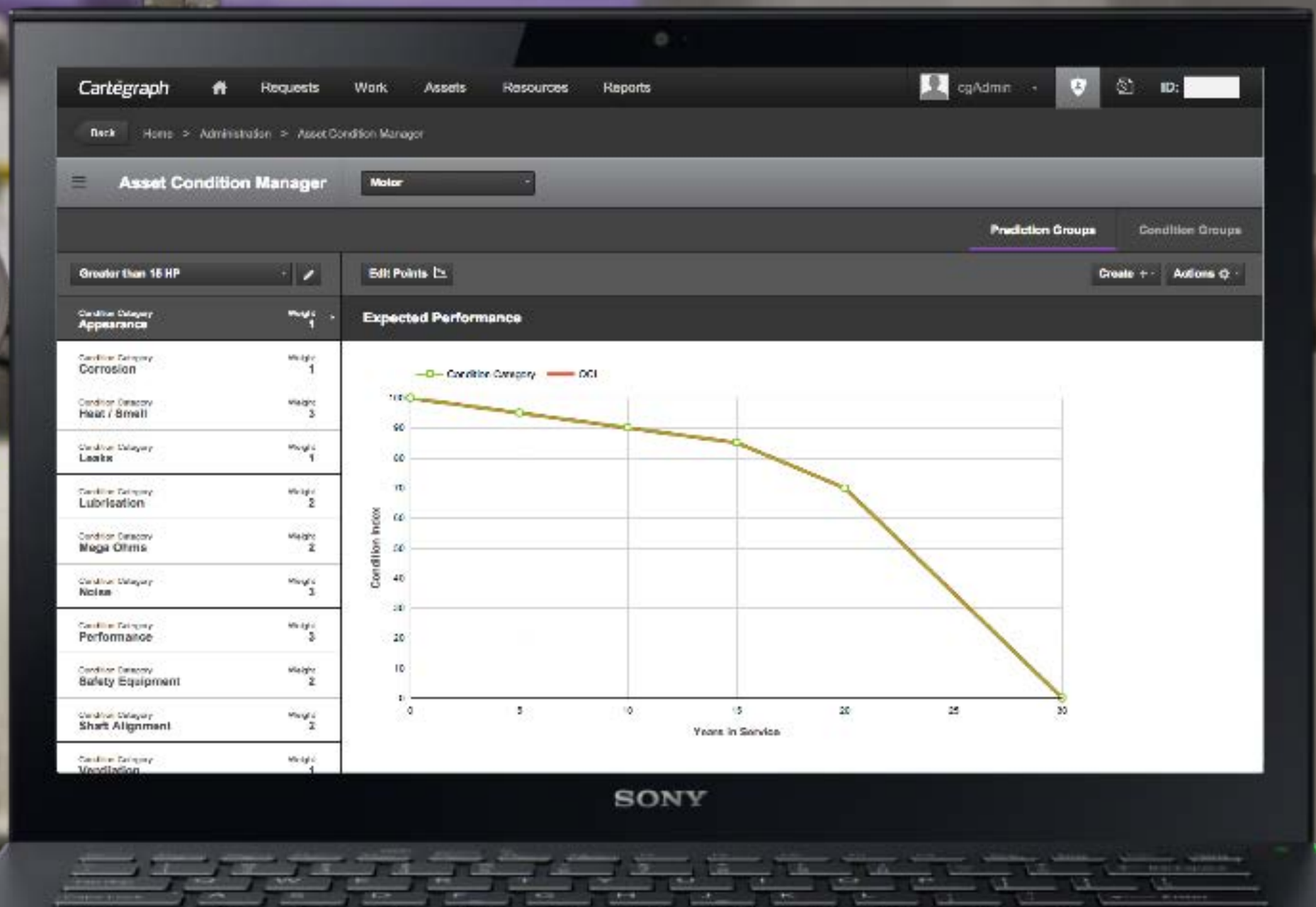
What condition is it in?

Perform Inspections



When will it fail?

Performance Curves



Get proactive.

Preventative Maintenance

Task Triggers Based on:

Usage

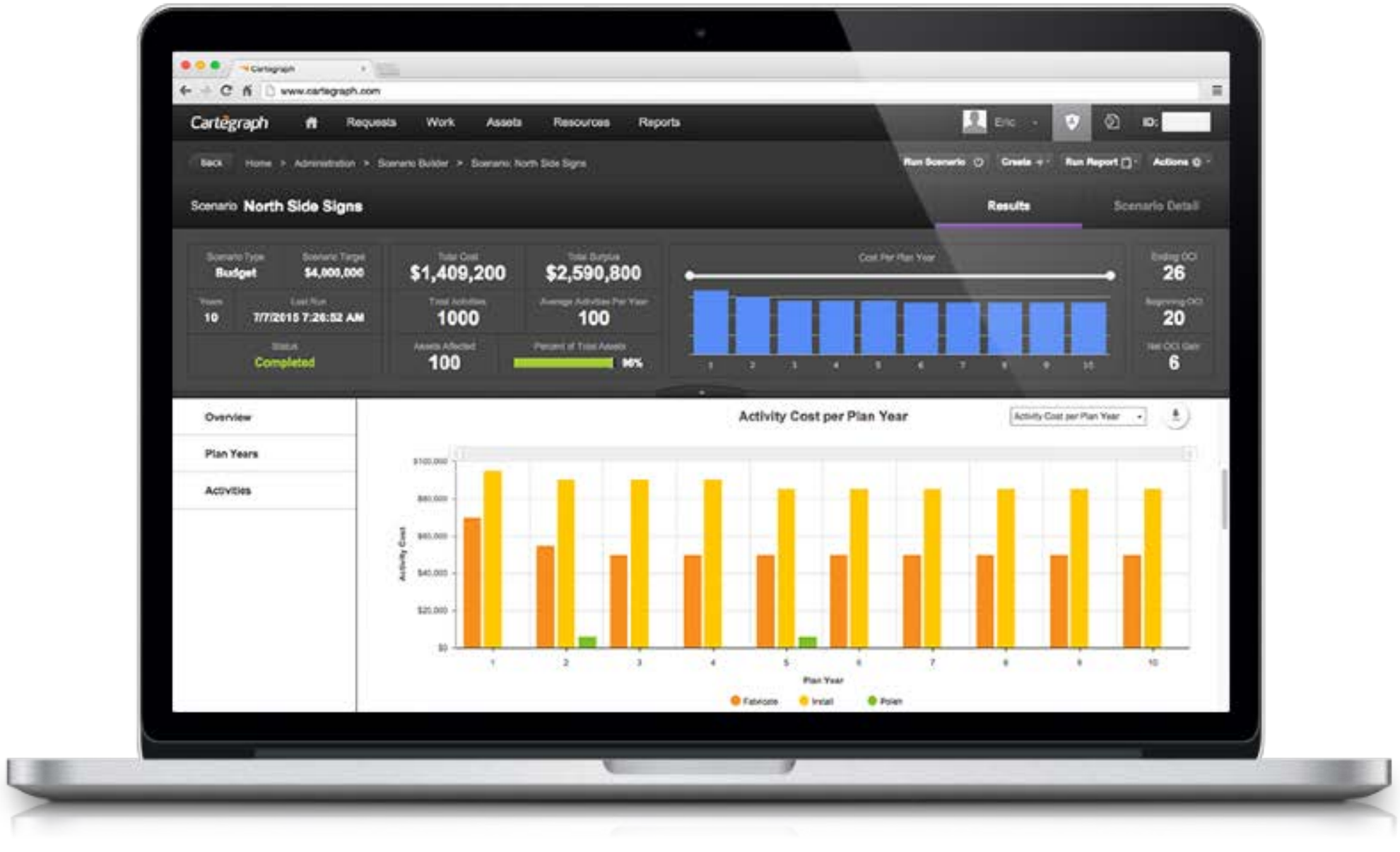
Time

Repeat

Condition

Predict the future

Proactive Work Planning



Predict the future

Proactive Work Planning

Asset Data

Attributes
Location
Maintenance History
Condition
Criticality
Protocal/Filter

Performance

Performance Curves
Activity Costs
Activity Impacts
Activity Triggers
Condition Categories
Prediction Groups

Budget/Goal

Budget Limitation
OCI Target
Unlimited Budget

Timeline

Start Date
Plan Years

Put it to work

Work Management

Monitor your progress

Real Time Data