

# Professional Services

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Consulting



Seeq Implementation  
& Integration



Training &  
Documentation



Application & Solution  
Development



## At your service

Our industry-savvy analytics engineers deliver a powerful combination of engineering, support, customer service and business consulting to complement your team.

Seeq Professional Service offerings allow you to quickly put your data analytics investment to work.

### Industry Experience

“Offering the perfect blend of expertise and technology to help you **drive business value and achieve your digital transformation efforts.**”



Oil & Gas



Pharmaceutical



Specialty Chemicals



Food & Beverage



Power & Utilities



Metals & Mining



Pulp & Paper



IIoT

## SERVICES PORTFOLIO

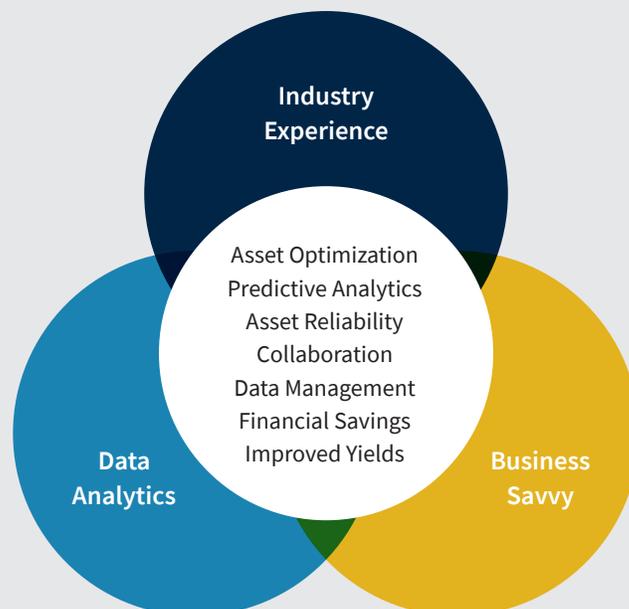
Seeq's analytics engineers and application developers provide a variety of services that includes consulting, Seeq implementation engineering support, training and documentation, and the ability to support the extensibility of Seeq via solutions development and integration.



Consulting	Seeq Implementation & Integration	Training & Documentation	Application & Solution Development
Seeq Use Case Discovery & Development	Use Cases in Seeq Workbench	Custom On-site Training	Automate Custom Workflows, Scripts, Calculations
Performance Engineering Studies	Standardized Reports in Seeq Organizer Topics	Online & Remote Training	Prototype Custom Features or Tools to Interact with Seeq APIs
Digital Transformation Strategy	Data Source Mapping	Documented Workflows in Workbench & Organizer	Customize Connections & Configurations
Data Analytics & IT Strategy	Database API & Connector Development	Custom Training Modules	Integration with Data Science & Research Teams

### Pool of highly-skilled, certified, and experienced talent:

- 30+ Engineers with extensive industry experience
  - > Advanced Degrees
  - > Professional Engineers
  - > Real-World Experience
- Specialized in data analytics, including machine learning
- Certified in Leading Software Applications
- Database and Data Historian Expertise
- Global



## EXPERTISE

Seeq’s analytics engineers provide you with highly efficient troubleshooting and optimization services. Personalized services ensure that you get the responsiveness you need to address daily operations challenges and achieve long-term business objectives.

“During their first week of using Seeq, dozens of customers have found savings greater than \$1M per year.”

### Team Highlights

- Industry-Recognized SMEs
- Equipment Domain Expertise:
  - > Pumps
  - > Valves
  - > Compressors
  - > Heat Exchangers
  - > Furnaces
  - > Transmitters
- Process:
  - > Flow Assurance
  - > Distillation
  - > Reactors
  - > Controller Performance
- Operations e.g.,
  - > Alarm Analytics
  - > Batch Analytics
- > Continuous Manufacturing
- > Reporting
- > Monitoring, Diagnostics
- > 21CFRPart11
- Disciplines / Technologies
  - > Workflow
  - > Reliability
  - > Modeling
  - > Simulation
  - > Machine Learning
  - > Statistics
  - > System Architecture
  - > Software
- Automation Technology e.g.,
  - > PI, PI Batch, PI AF/EF, PI Process Book
- > DeltaV Systems Batch Implementation, DeltaV Hardware & Troubleshooting
- > PHD, Proficy Process Systems, Inductive Automation, DCS
- Development of Solutions Involving the Intersection of Machine Learning, Modeling, Statistics, and Database Systems.
- Cross-Vertical Professional Experience
- Software Knowledge e.g., R, SAS, Python, MATLAB, VBA, PI, Aspen HYSYS, JMP, Minitab, Matplotlib.



### Examples of Previous Work Experience



## HOW WE WORK

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Our team is focused on partnering you to develop and implement solutions that drive business value for your organization. We are:

### Innovative

- Develop solutions involving the intersection of machine learning, statistics, and data historians
- Tailored to customer needs

### Collaborative

- Focused on Customer Goals and Deliverables
- Close Partnership

### Customer-Focused

- Customized Solutions
- Flexible Support Options
- Remote and On-Site Support

### Global

- US
- Europe
- Asia



# CASE STUDY EXAMPLES

## Plan & Design

### Example: Use Case Development

#### The Challenge

Extract meaning, understanding and predictions from complex and growing data across internal and external data sources.

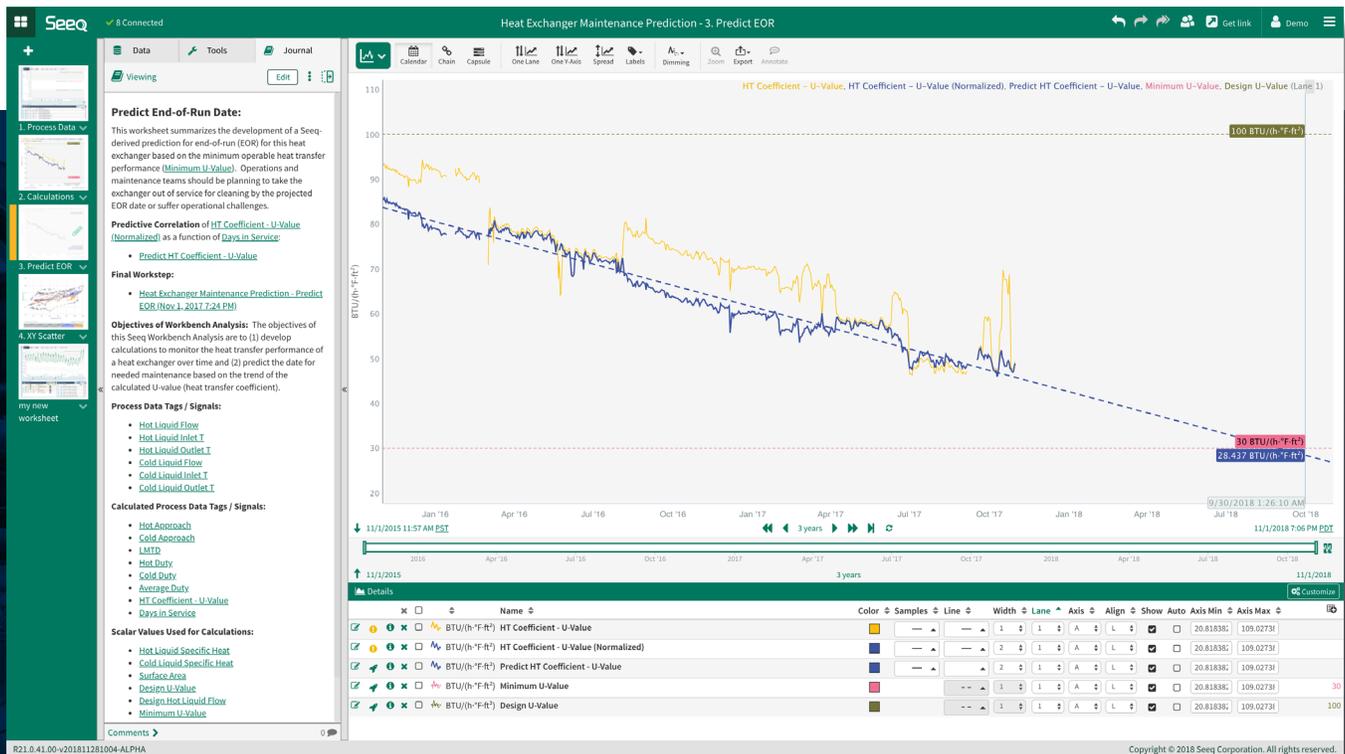
#### Approach

- Expedite ad hoc investigation
- Enable SME with data science
- Develop predictive asset models
- Enhance collaboration, publishing

#### Results

Unsolved problem solved in 1 hour by customer SME leveraging Seeq Analytics Engineering office hours.

Optimize planned shutdown and maintenance priorities to significantly improve cost savings. (\$10M to \$100M worth of savings).



# Develop & Deploy

## Example: Custom Workflows

### The Challenge

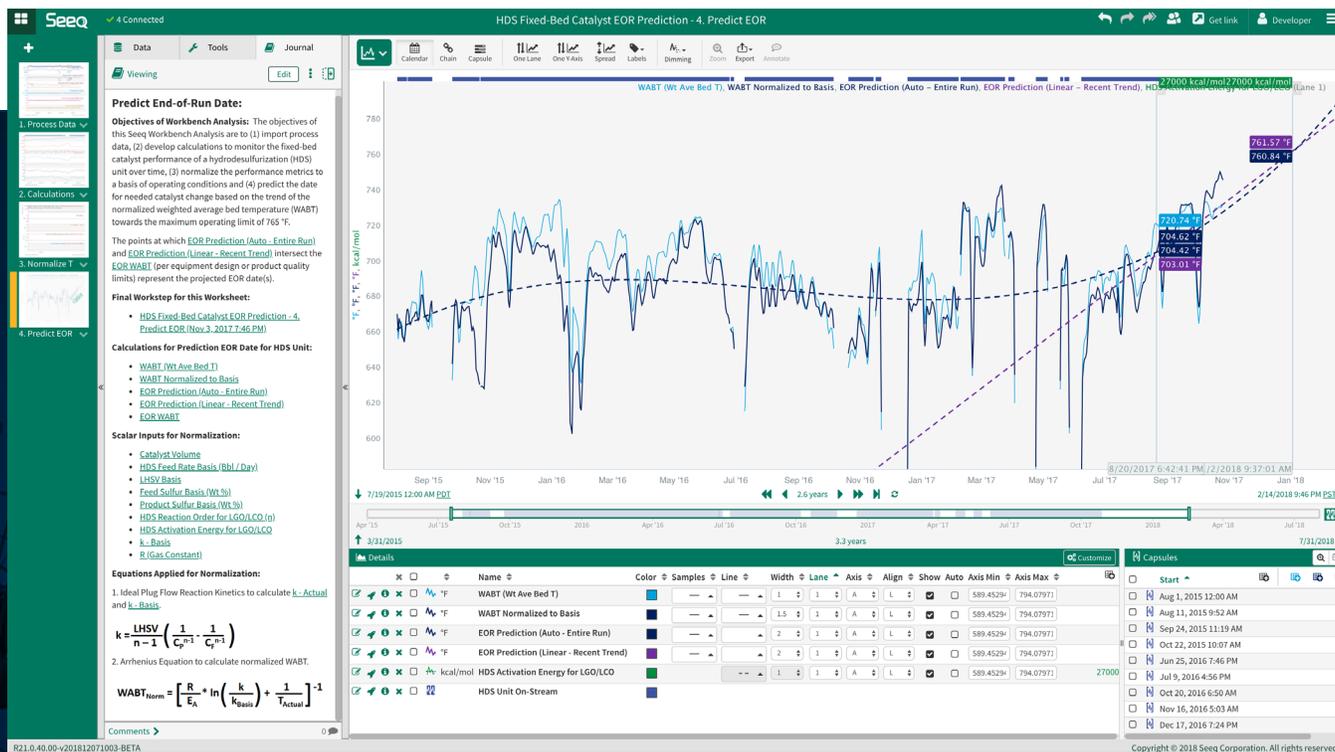
Embed and operationalize analytics throughout your enterprise to decrease time to results.

### Results

Projects and analyses that took weeks to months now take minutes to hours utilizing automated workflow support from Analytics Engineers.

### Approach

- Automated data science
- Results broadly available
- Deployed predictive models



# Manage & Maintain

## Example: Dashboard Creation

### The Challenge

Solve complex business problems through best-in-class capabilities.

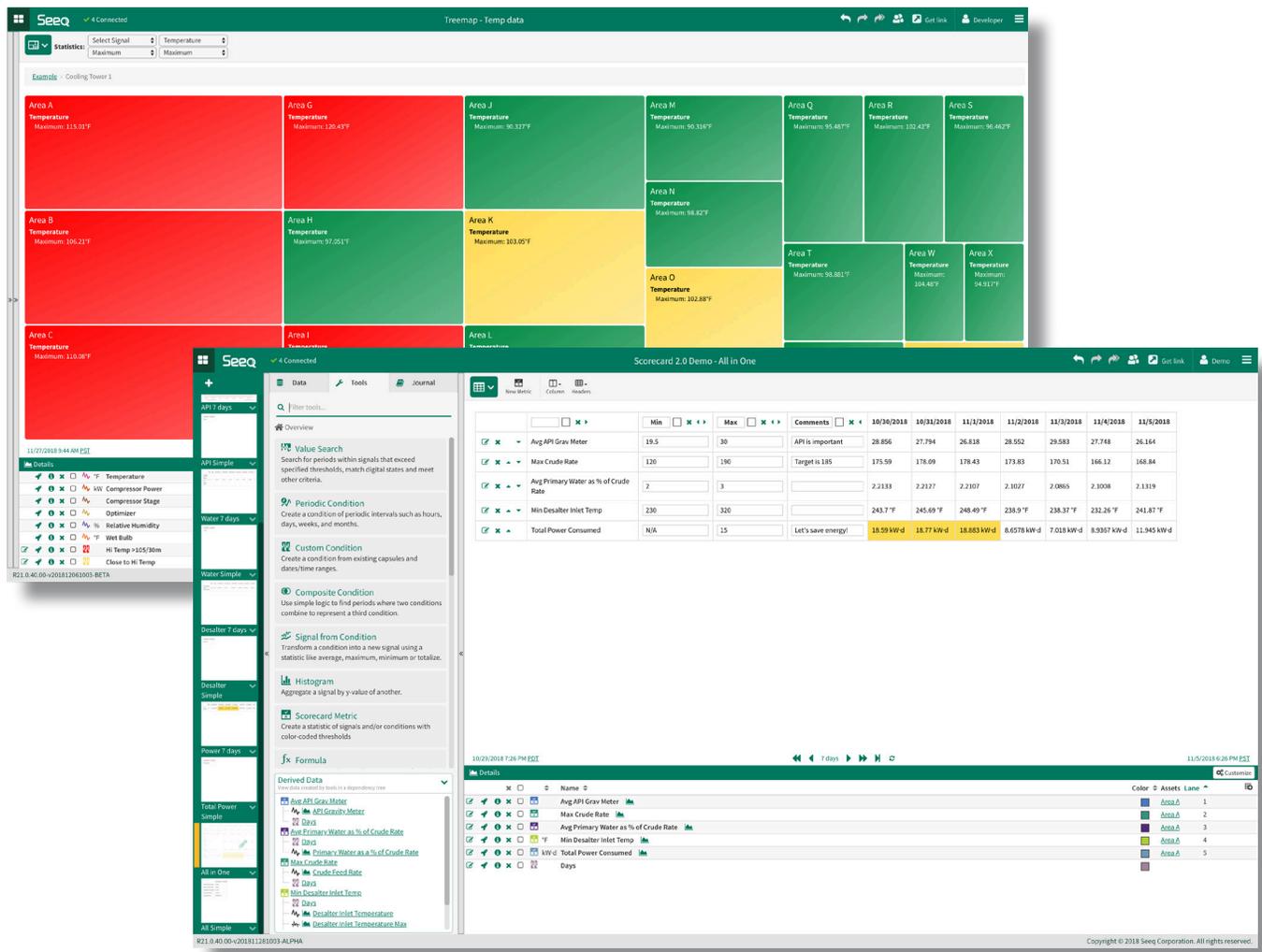
### Approach

- Automated monitoring for rapid asset assessment
- Single-source for summary results data

### Results

Device failure predicted months in advance avoiding unplanned plant shutdown utilizing improved Seeq Organizer dashboards.

- Minimized lost production
- Optimized planned maintenance (\$100K's)
- Rapid application of methodology to other assets



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### About Seeq Corporation

Founded in 2013, Seeq publishes software applications for manufacturing organizations to rapidly find and share data insights. Oil & gas, pharmaceutical, specialty chemical, utility, renewable energy and numerous other vertical industries rely on Seeq to improve production outcomes, including yield, margins, quality, and safety. Headquartered in Seattle, Seeq is a privately held virtual company with employees and partners in the United States, Asia, Canada, Europe, and South America.