PREDIX ACCELERATOR
DATA SCIENCE

Work with GE Digital experts to develop a holistic approach to your industrial IoT journey. Our Data Science service engagement is intended to clarify opportunities to create meaningful business outcomes by leveraging your industrial assets and operations. We collaborate with your team to identify business outcomes that can be effectively addressed using agile data science methodologies. We then analyze your data to construct models that address your desired outcomes, and work with your team to implement those models. Data Science enables you make an informed case for ongoing analytic investments, and provides your software development team with patterns that can be used for future projects.

Data Science is delivered as a stand-alone engagement. If you also wish to conceptualize, design and validate broader industrial IoT applications, you can combine Data Science with GE Digital's Design Thinking service.

APPROACH

INDUSTRIAL DATA SCIENCE WORKSHOP
We start each engagement with an iDS Workshop by gathering your key stakeholders and subject matter experts to define the value proposition that analytics and data science can bring to your business. We frame problem statements, define success metrics, and identify data systems to be mined for relationships that can impact key business drivers. We use [Fastworks](#) and [Agile Data Science](#) methodologies to establish a prioritized set of problems to be targeted by Predix-based solutions. Finally, we form a plan to use Data Science Exploration and Analytic Development to validate hypotheses and assumptions, so you know you're investing to achieve your desired outcomes.

DATA EXPLORATION
Following the iDS Workshop, we work with your data system owners to extract data for quality assessment and exploration. We identify potential relationships between data and your key business drivers to identify opportunities where data science methods can be best leveraged. Our objective is to test for predictivity, causality, and other relationships in the data that validate our initial assumptions around business impact.

ANALYTIC MODELING
Once we have a clear understanding of the potential business impact your data can enable, we conduct an analytic modeling phase to iteratively build out and validate analytics to optimize your outcomes. We look at the current state challenges and business drivers we uncovered during Data Exploration, and define a roadmap to achieve one or more of your desired outcomes.

SOLUTION DEVELOPMENT
Having jointly validated analytics that impact your business metrics via the Data Science Workshop, Data Exploration, and Analytic Modeling, we develop and harden a Predix-based analytic solution, deployed and accessed via the Predix Catalog.

DURATION

We customize Data Service engagements based on each client's targeted objectives. Engagements typically run 12-16 weeks in duration.