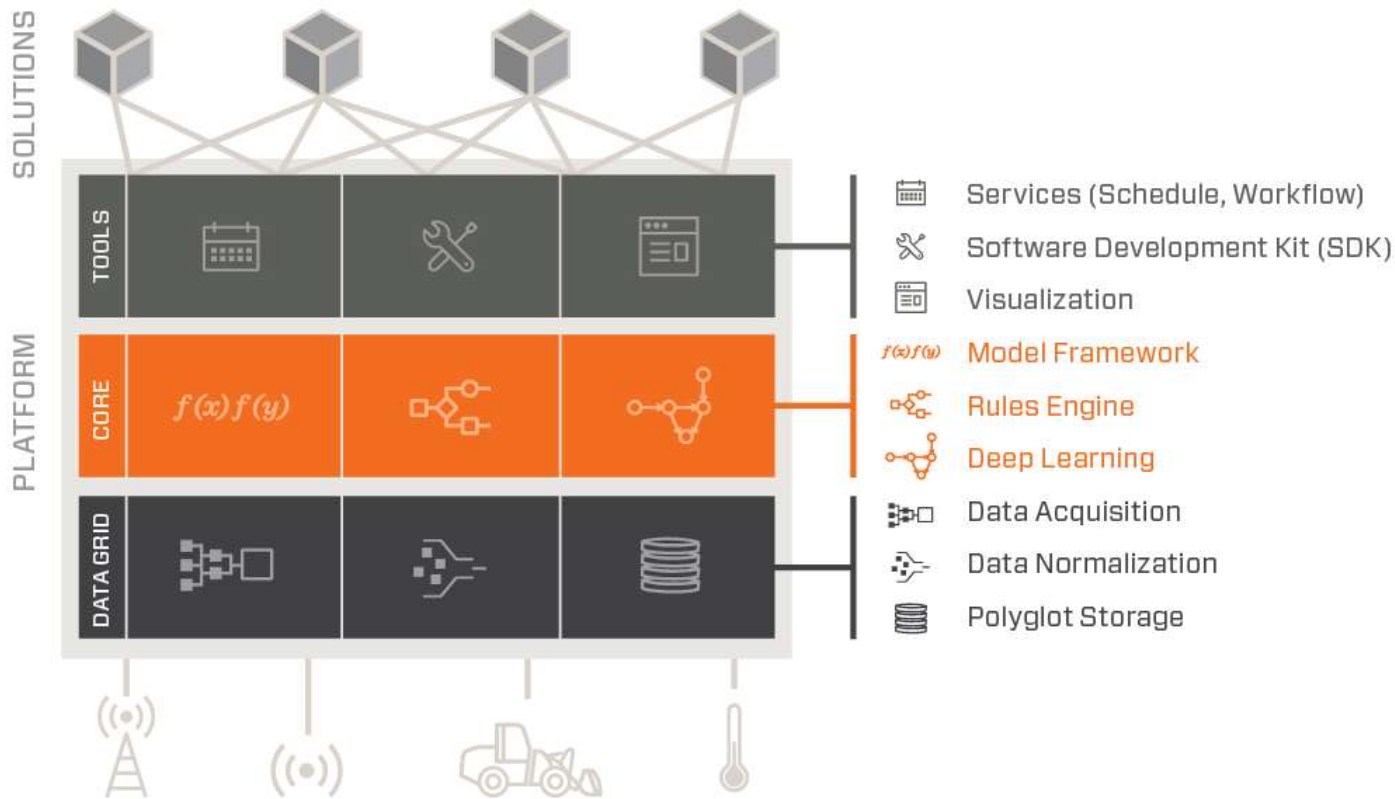The   Platform

A Platform Of Answers Built For Industry, With Industry

Global Scale
Meets the demand of the modern enterprise

Innovative
Flexible framework designed to leverage evergreen technologies

Contextual
Integrates into your workflow to provide answers when and where you need them

Actionable
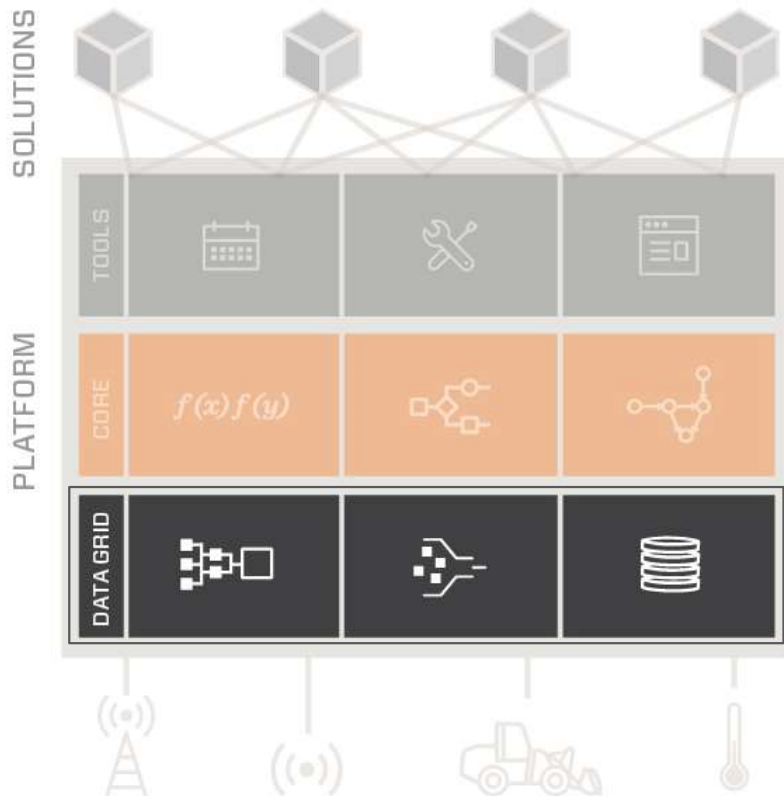Provides actionable insights for everyone, from a field engineer to a CEO

Secure
Robust security and infrastructure

Designed To Integrate With Disparate Data Sets

Data Acquisition
- Powerful enough to pull data from millions of sensors, databases, and other data sources

Data Normalization
- Flexible enough to aggregate and process data in diverse formats and from multiple environments
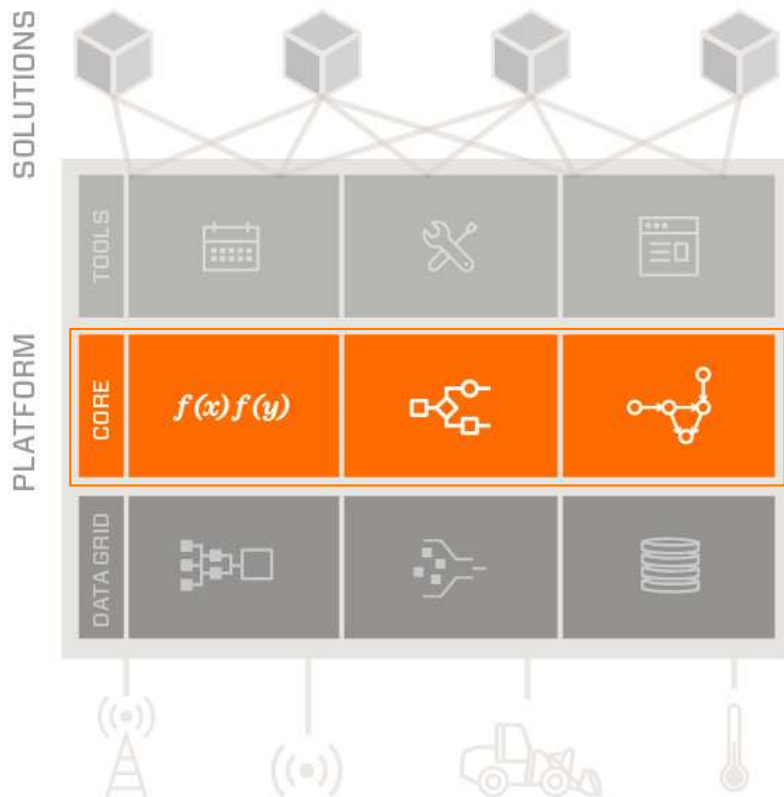
Polyglot Data Storage
- Optimized for fast access to massive amounts of data

Reinventing Data Science And Software Integration

Model Framework

- Language-agnostic
- Automated testing and validation
- Innovative deployment software

Rules Engine

- Business logic
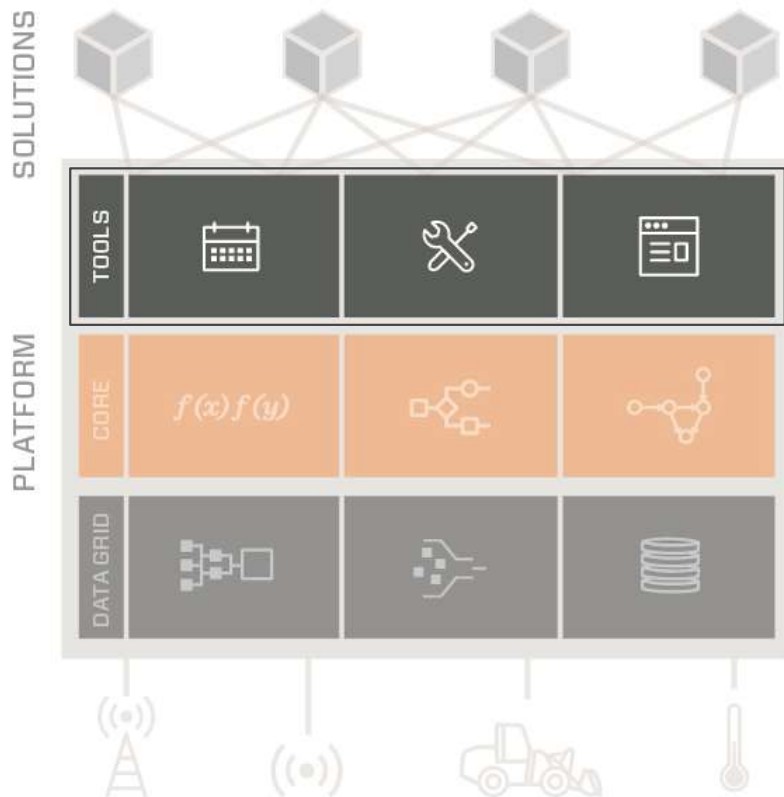- Industry context
- Personalization

Deep Learning

- Predictive Engine
- Model Competition and Speed
- Closed Loop Feedback

Predictions Are Just A Starting Point

Structured Services
- Asset and fleet management
- Location services
- Rules and alerts

Software Development Kit (SDK)
- Can be configured for integration with internal/external solutions
- Can be packaged for internal/external platforms

Visualization
- Responsive design
- Data visualization tools
- Interactive tools for data exploration

Appendix
Platform technologies

Data Acquisition

Data Acquisition in your environment

- Import data in batch or real-time (via our REST API and ETL architecture)

- Import data to/from secure cloud environments

- Ingest diverse, schema-free data at high speeds

- Security model based on leading practices and recognized industry standards including the Cloud Security Alliance (CSA), NIST & ISO
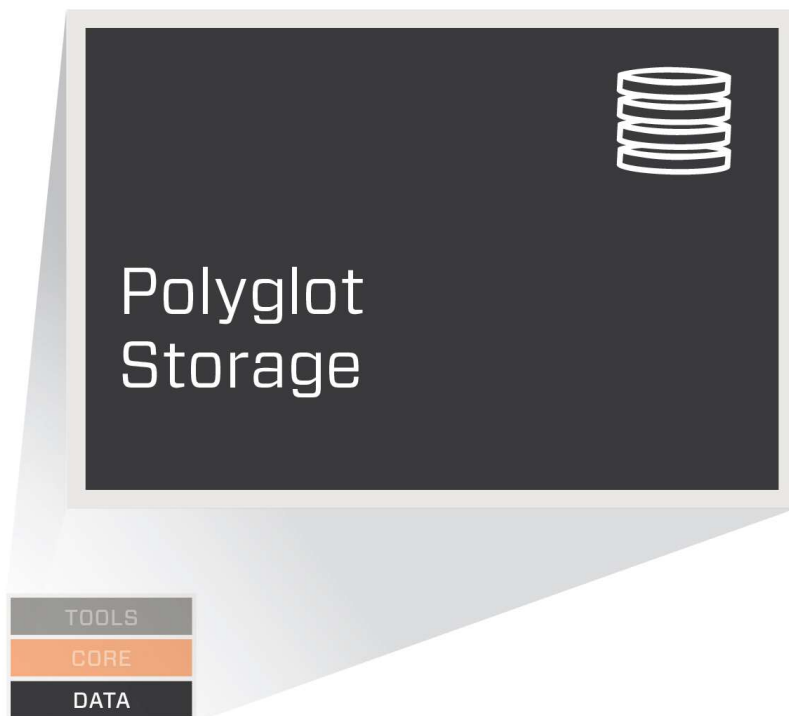
Data Normalization

Data Normalization is critical for ensuring accuracy, efficiency, and quick access to data. The ███████ platform is capable of reducing multiple forms of data at global scale to its canonical form.

- Drives ability to process insights at scale

- Reduce dependencies on siloed legacy systems

- Aggregate structured and unstructured data from internal and external sources

Polyglot Data Store
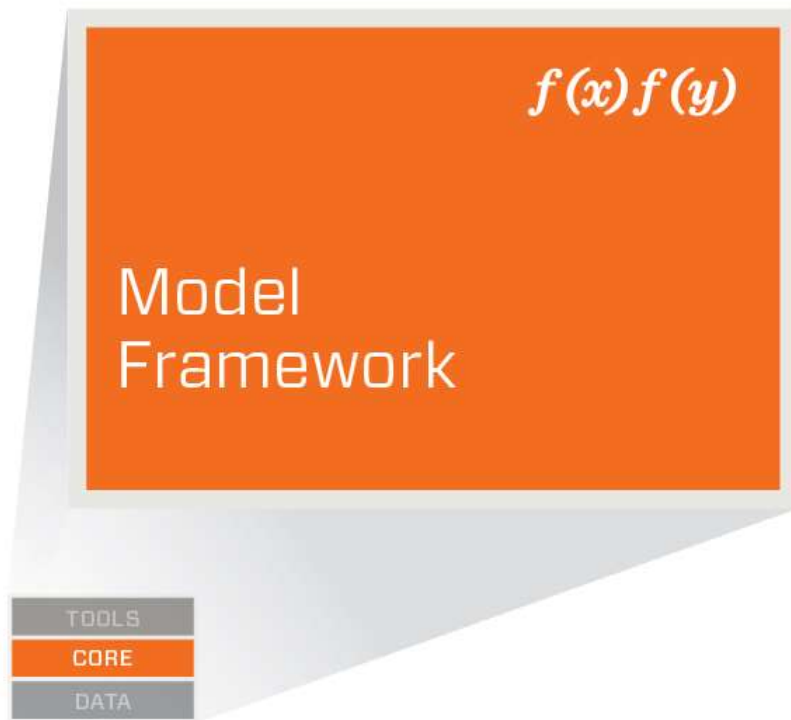

Polyglot
Storage

TOOLS
CORE
DATA

No single data store is best for the wide range of problems we solve, so we built our platform on a **polyglot data store** capable of using more than one type.

- A time-series data store that handles the massive amounts of sensor data

- A graph data store that finds relationships and maps networks

- A document data store

- A relational data store for mission-critical data and transactions

Proprietary frameworks

Our data sciences tools and **frameworks** are built for speed and innovation

Language-Agnostic
Enables newest algorithms to be easily built without regard to implementation language
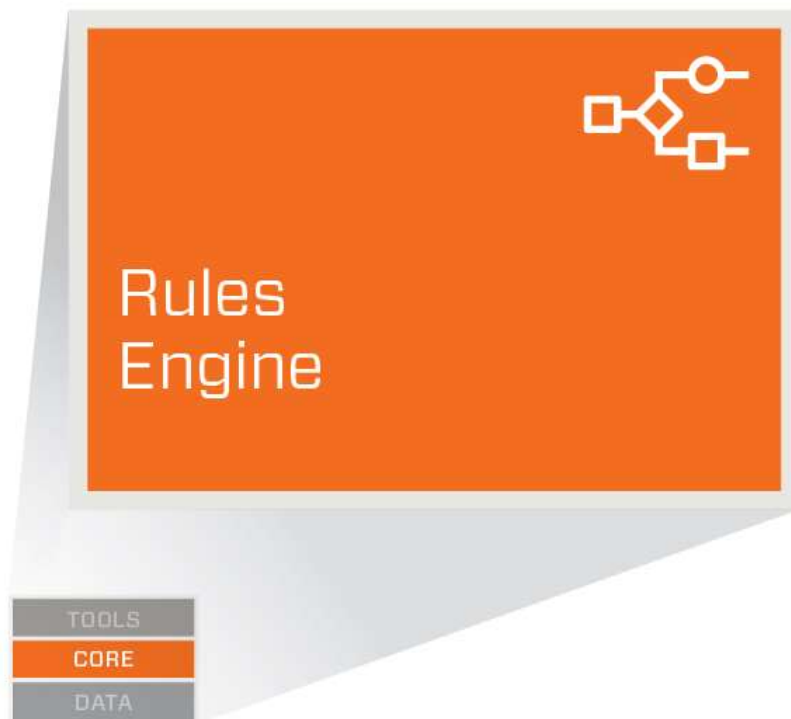
Automated Testing & Validation
Ensures that new or updated services work as well or better than their predecessors

Innovative Deployment Model
Allows new technology to be swapped in with no downtime or disruption to service
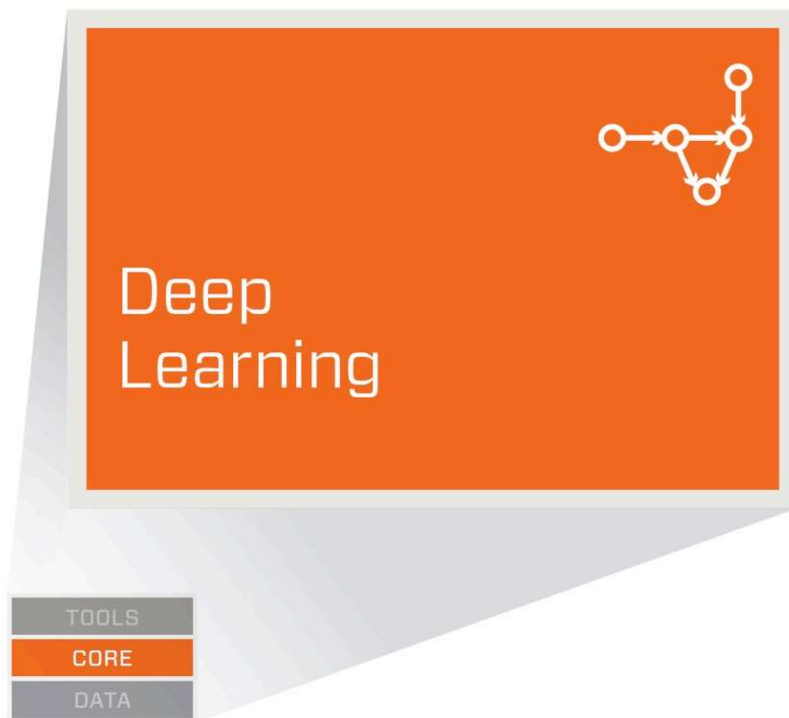
Rules Engine

Our **rules engine** unites the core with workflow, ensuring that each insight is directed to the right place at the right time

- **Business logic** Generates intelligent alerts and notifications

- **Industry context** Modified rules and logic based on vertical specifications and needs

- **Personalization** Configurable, user and company defined rules and logic

Advanced Machine Learning

The best predictions delivered in context through **advanced machine learning**

- **Predictive Engine** Provides predictive analytics to every part of the platform

- **Model Competition** Evaluates hundreds and thousands of models simultaneously to deliver best possible predictions

- **Speed** Models are decomposed and can be evaluated wherever is most effective

- **Closed Loop Feedback** Integrates results of recommendations and actions back into the system to continuously improve predictions

Deep
Learning

TOOLS
CORE
DATA

Structured Services

Structured Services provided by the platform can be leveraged across solutions, businesses, and industries

- Asset management

- Fleet (i.e., groups of assets) management

- Location services

- Content and Procedure Management

- Rules and Alerts

Software Development Kit

Software Development Kit

TOOLS
CORE
DATA

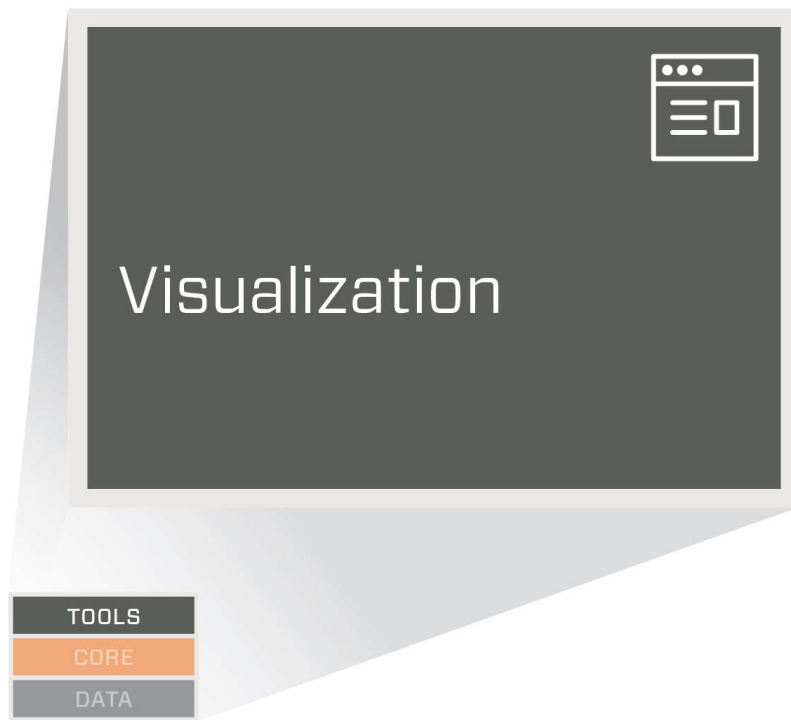**SDK** that ensures ▓▓▓▓ applications can run on any platform, independently providing insights and predictions or tightly integrated with other solutions

- Enables detailed configuration for integration with internal and external solutions

- Allows for the packaging of applications for internal or external platforms

Visualization

Visualization

TOOLS

CORE

DATA

Beyond data or insights, ████'s solutions deliver answers and predictions **visually**, in workflow and context to those who need it

- Responsive and mobile-enabled interfaces that scale from smart phone to room-sized displays

- Data visualization tools to uncover unexpected patterns, trends, and correlations

- Interactive tools to explore and drill into data for additional analysis