CONNECT

Unifying the industrial ecosystem with data,
AI and deep domain expertise for greater sustainability and efficiency

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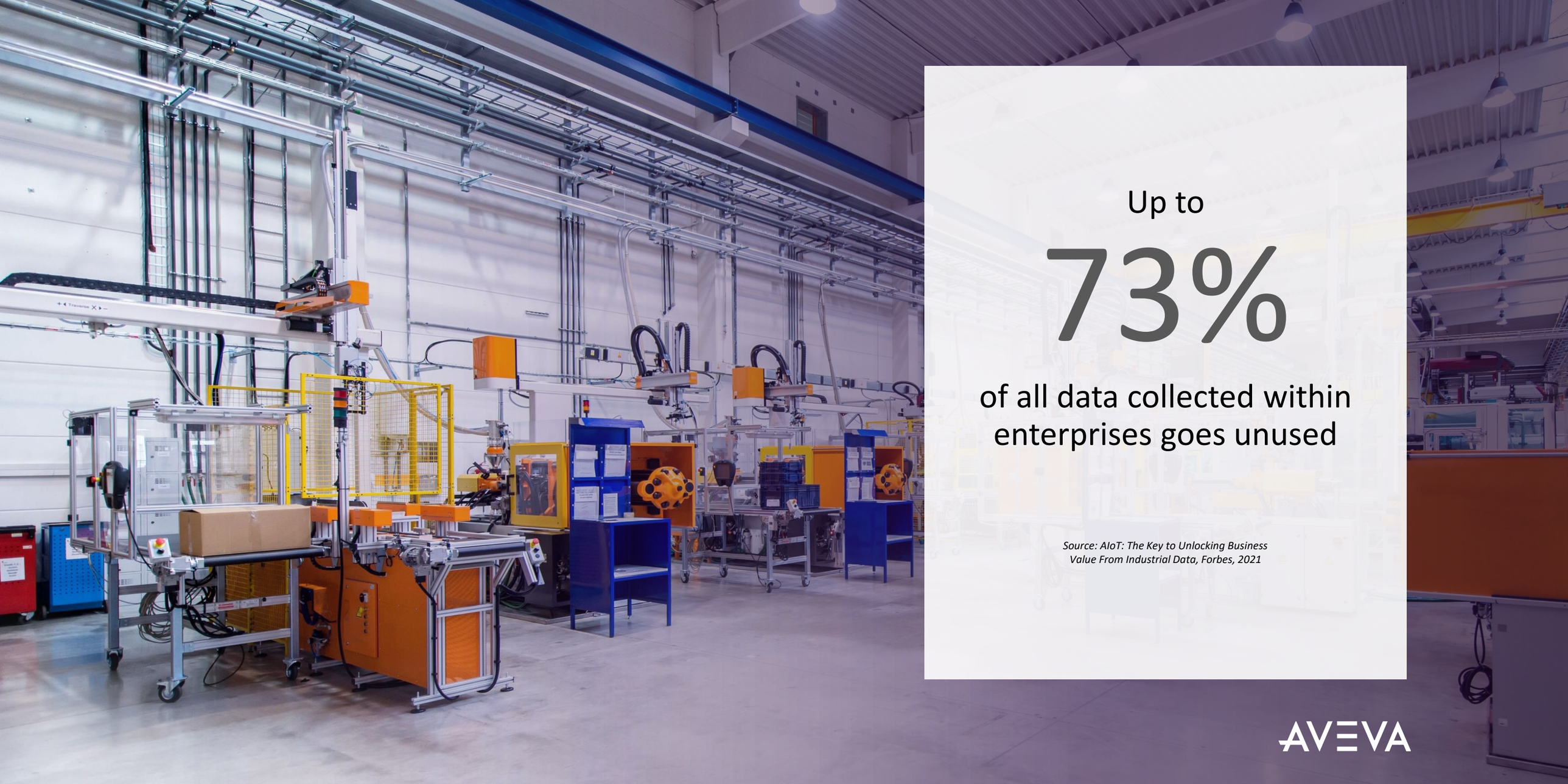

Up to

73%

of all data collected within enterprises goes unused

Source: AIoT: The Key to Unlocking Business Value From Industrial Data, Forbes, 2021

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Connecting people to that data is key

Leveraging the cloud to empower your ecosystem securely and seamlessly across the value chain for exponential business growth

By 2025,

40%

of global organizations will have a digital platform in place for ecosystem operation, driving a 10% higher data capitalization rate than those that do not take this approach[1]

7+%

more revenue growth for companies further along in their digital transformation journey than industry peers[2]

[1]*Source: IDC FutureScape: Worldwide Future of Industry Ecosystems 2024 Vendor Assessment (doc #US50217123, October 2023);* [2]McKinsey

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Customer challenges

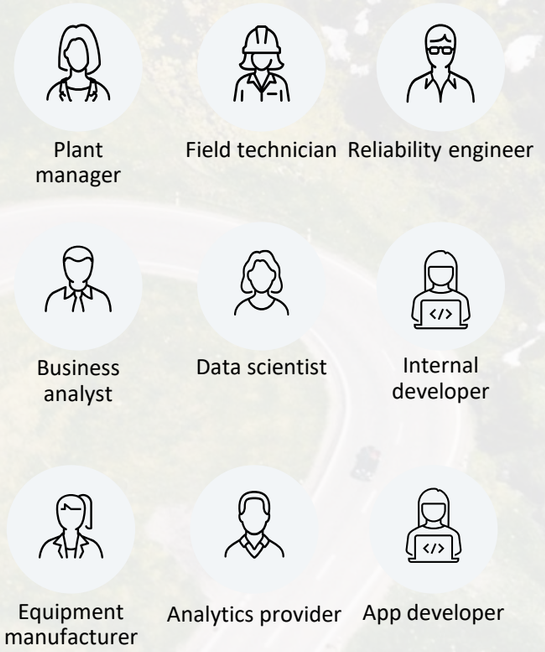
Information silos

Inconsistent data and slow responsiveness

Remote and virtual teams have limited access to reliable data

Difficulty understanding operational performance across sites and teams

Need to predict behaviors and outcomes for greater efficiency and sustainability



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TRUSTED INTELLIGENCE

Single source of truth for proven applications

ACTIONABLE INSIGHT

Closing the loop for real-world impact

UNIFIED EXPERIENCE

Hundreds of perspectives. One shared reality

EMPOWERED ECOSYSTEM

Accelerating the network effect across the value chain

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CONNECT, our industrial intelligence platform

Open and neutral, providing rich data insights for your unified industrial ecosystem

CONNECT

Service & usage management: monitor budget, consumption, and permissions

Data services: aggregate, contextualize and share

Visualization: rich persona-based experiences

Modeling & analytics: robust calculations using AI and ML

Application development services: solutions to enhance customer use cases

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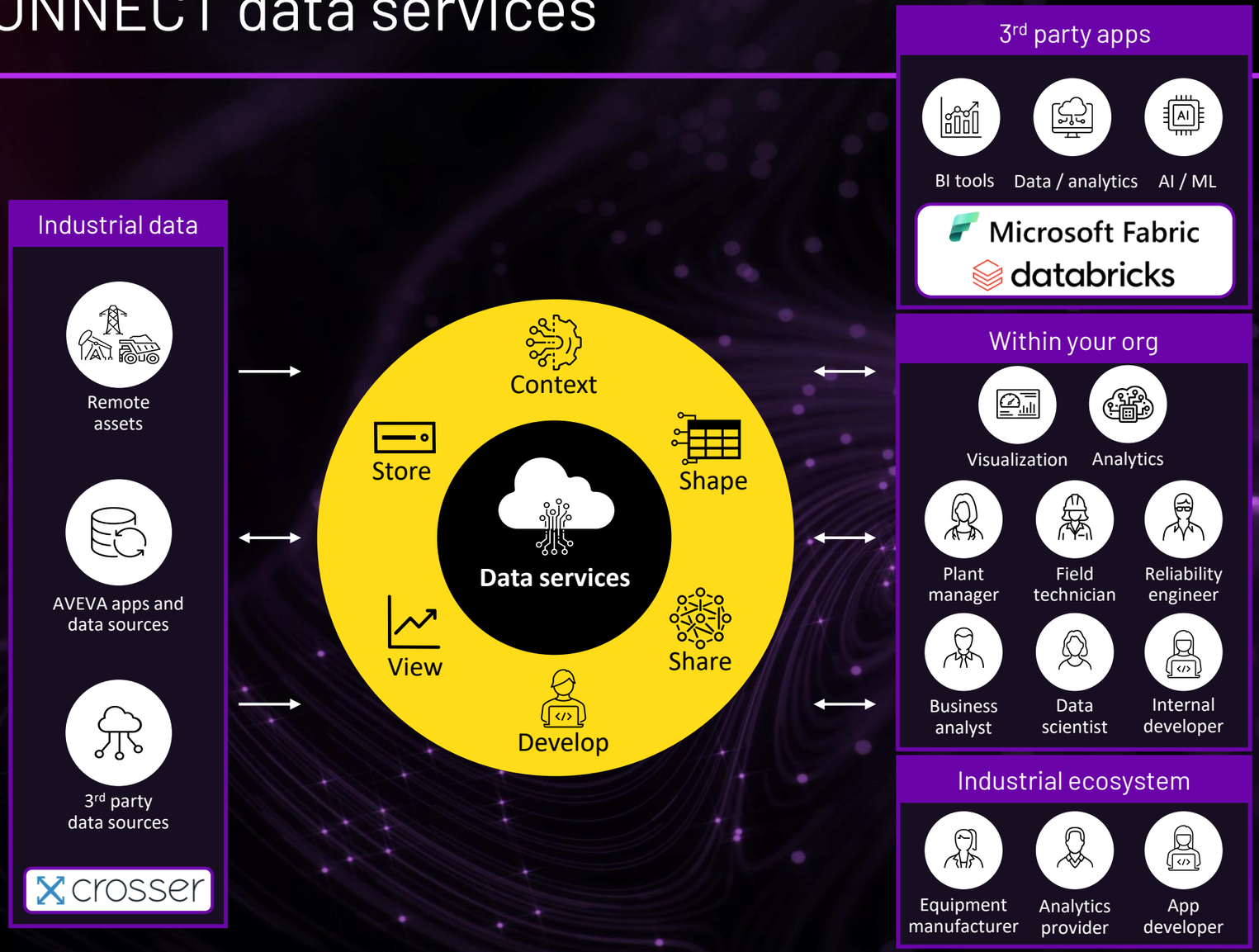
CONNECT data services



Aggregate, contextualize, and share real-time industrial data

- Build and manage a central data repository for BI, data and analytics, and AI / ML tools
- Securely share your industrial information with authorized users, extending the use of your existing data beyond your organization's four walls
- Enable 3rd-party providers to access real-time industrial data for customized services and applications

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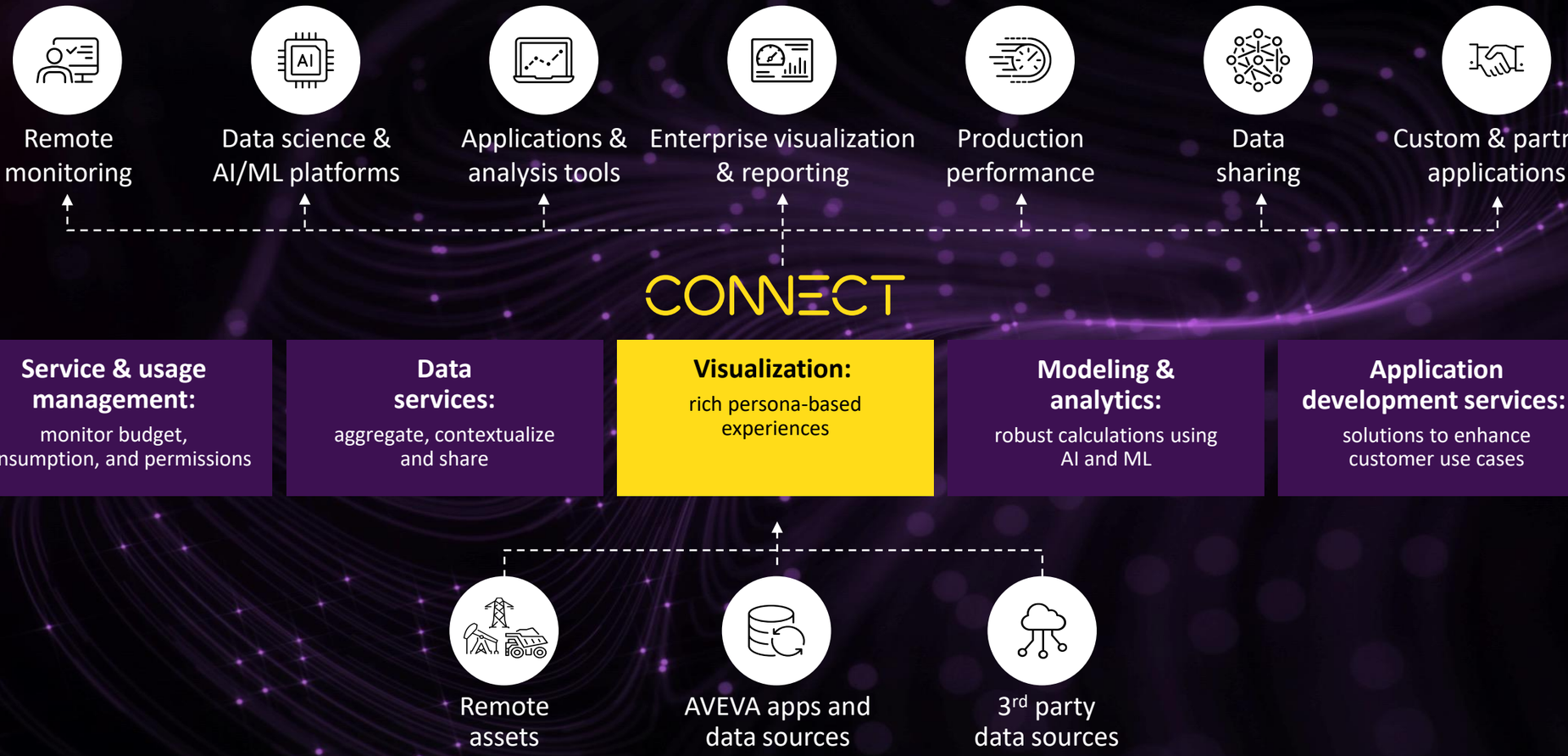
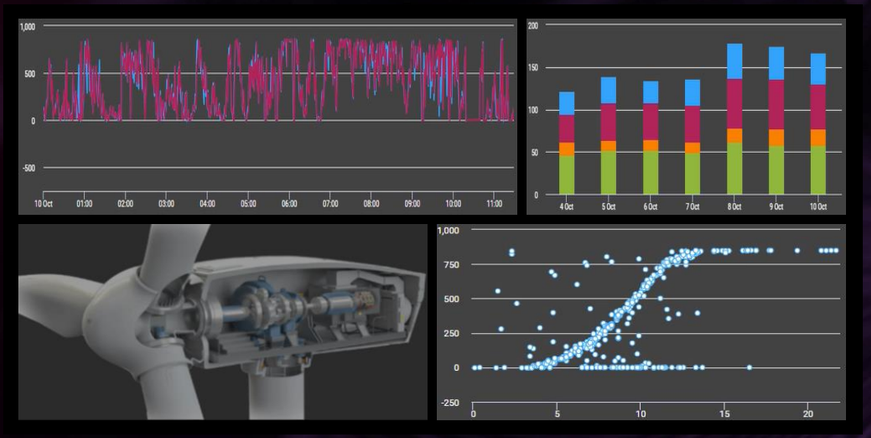
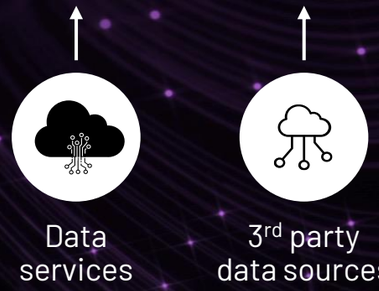


CONNECT visualization





Self-service

- Editable dashboards
- Arrange various content types
- No code experience
- Search for content
- Adjustable historical view

Pre-defined

- Custom developed experiences
- Rich animations and dynamic styling
- Asset driven navigation
- Complex interactions
- Holistic operations view

Visualize industrial data using self-service and pre-defined dashboards

- Visually relate disparate data sources & systems in context to each other
- Gather insights between applications and across data types quickly and easily
- Share actionable information with operations, reliability, business, and other teams, anywhere through a browser

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CONNECT modeling & analytics (AVEVA Advanced Analytics)

ASK X CONFERENCE

Solve

Consolidate learnings and apply solutions that mitigate problems and improve performance

Learn

Automate investigations and understanding of performance drivers with ML

Model

Combine data from multiple sources to mirror physical assets & processes on digital twins

Monitor

Apply algorithms & logic to continuously assess performance

Alert

Give early warnings of performance issues with improvement suggestions

Combine existing data with AI for faster and smarter decisions

- Utilize AI and ML to improve process efficiency
- Understand production outcomes and get recommended corrective actions
- Collaborate with trusted partners to enable cross-company collaboration and discover new opportunities

Activate your data with AI-enabled applications

ASK X CONFERENCE

Predictive quality

- Reduce frequency of quality measurements
- Offline measurement with delayed lab results
- Get an early indication of quality in production line

- Predicted quality value
- Ideal operating conditions
- Anomaly timeline and breakdown
- Recommendations on controllable parameters

Predictive throughput

- Identify optimum operating conditions to maximize production
- Identify measures of production by product or rate

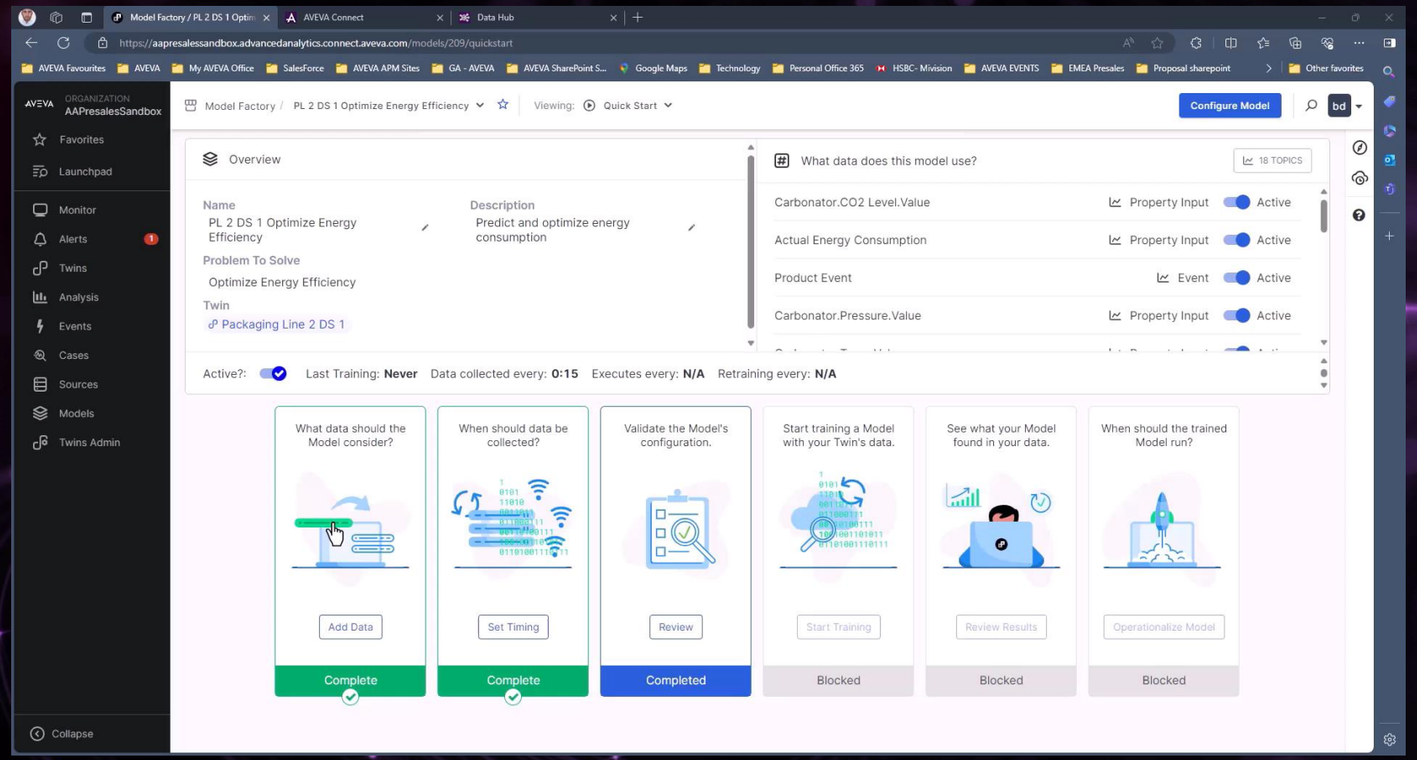
- Predicted production rate
- Ideal operating conditions
- Anomaly timeline and breakdown
- Recommendations on controllable parameters

Predictive energy efficiency

- When there is no overall measure of energy consumption
- Normalized measures of energy use by product
- Identify optimum operating conditions to minimize energy consumption

- Normalized energy use
- Predicted total energy consumption
- Ideal operating conditions
- Anomaly timeline and breakdown
- Recommendations on controllable parameters

Activate your data with AI-enabled applications



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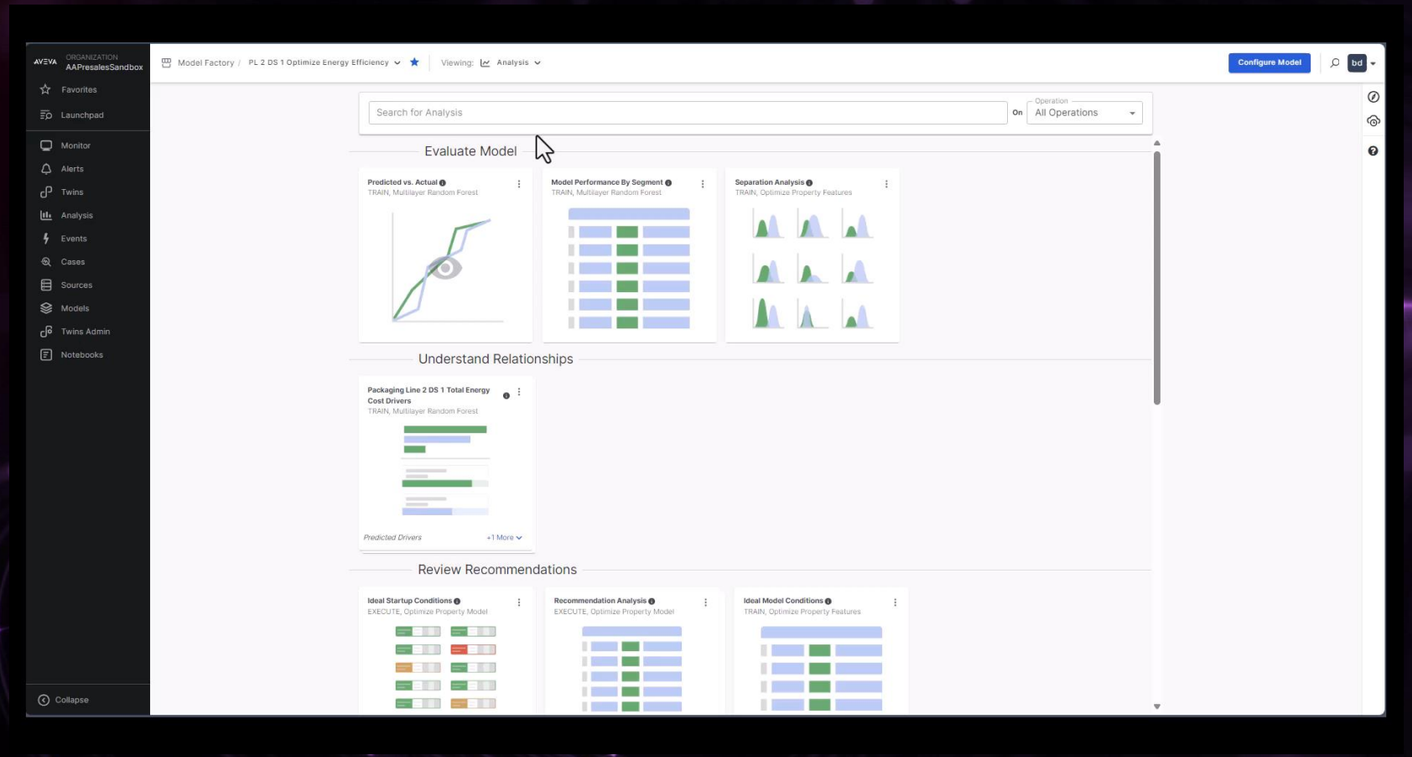

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Extending existing investments and capabilities

Ecosystem of partners

EcoStruxure™ AVEVA etap® RIB Wonderware®

Operations

- Real-time data
- Trends
- Self-service
- Alerts
- Data in context

Data Scientist/Engineer

- Historische data
- Beschikbaar in Databricks, MS Fabric, etc…
- Data in context

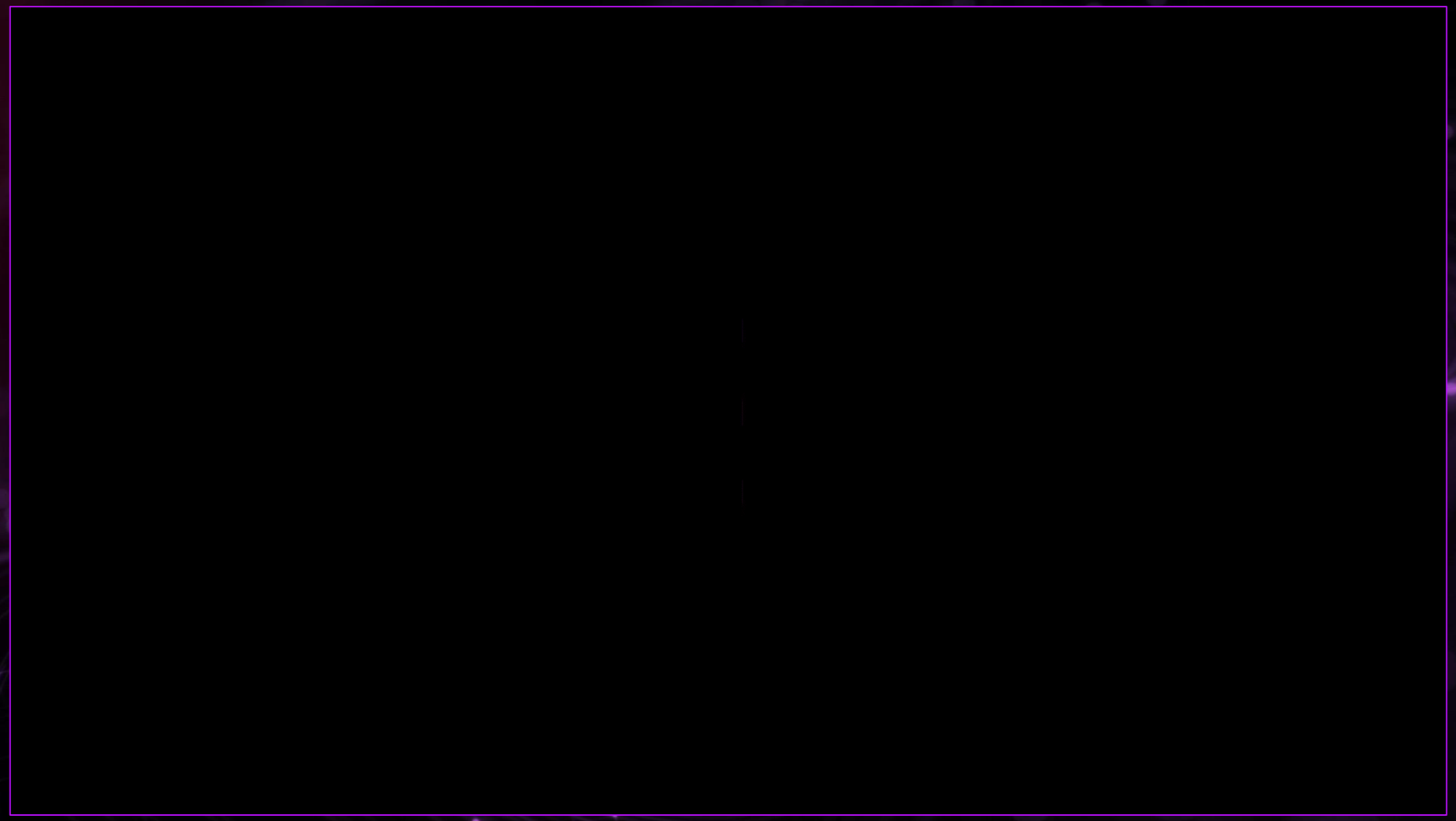
Service Provider

- Toegang tot specifieke subset(s) aan data
- Géén toegang tot data buiten domein
- Data in context

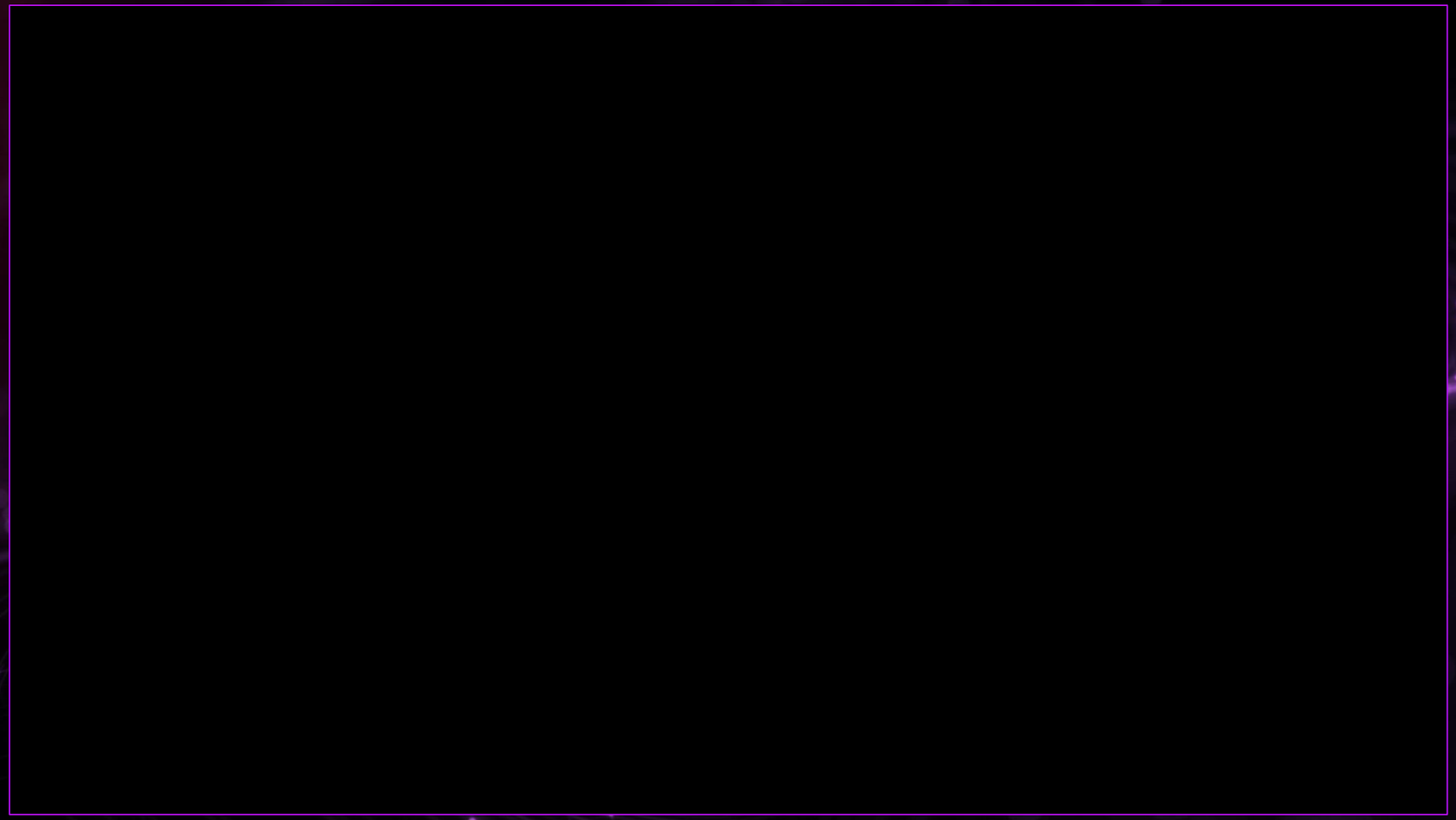
Management

- Interactieve dashboards
- KPI's
- Data in context

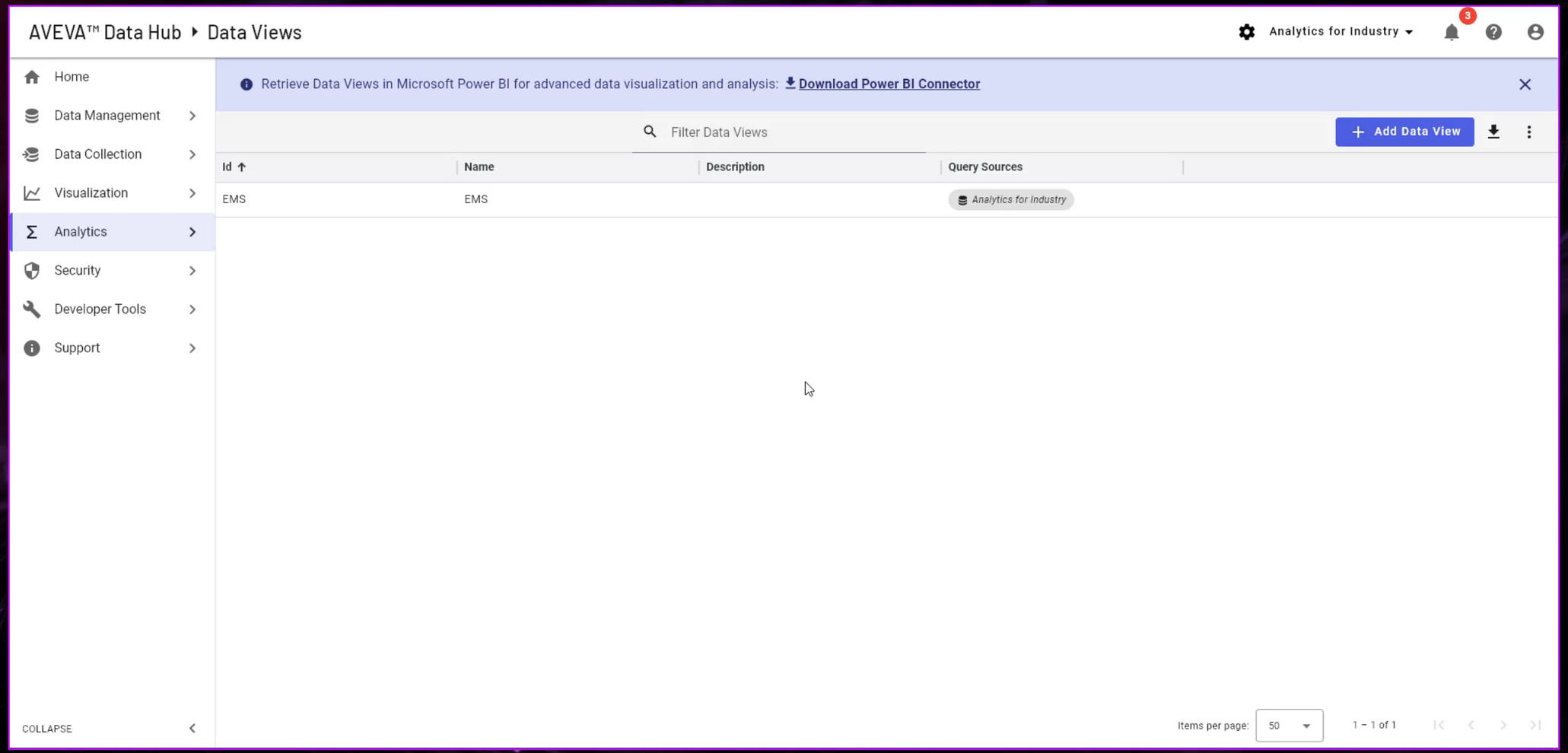
Operations - Visualization Services



Operations - Visualization Services (UoC)



Data Scientists – Data Views



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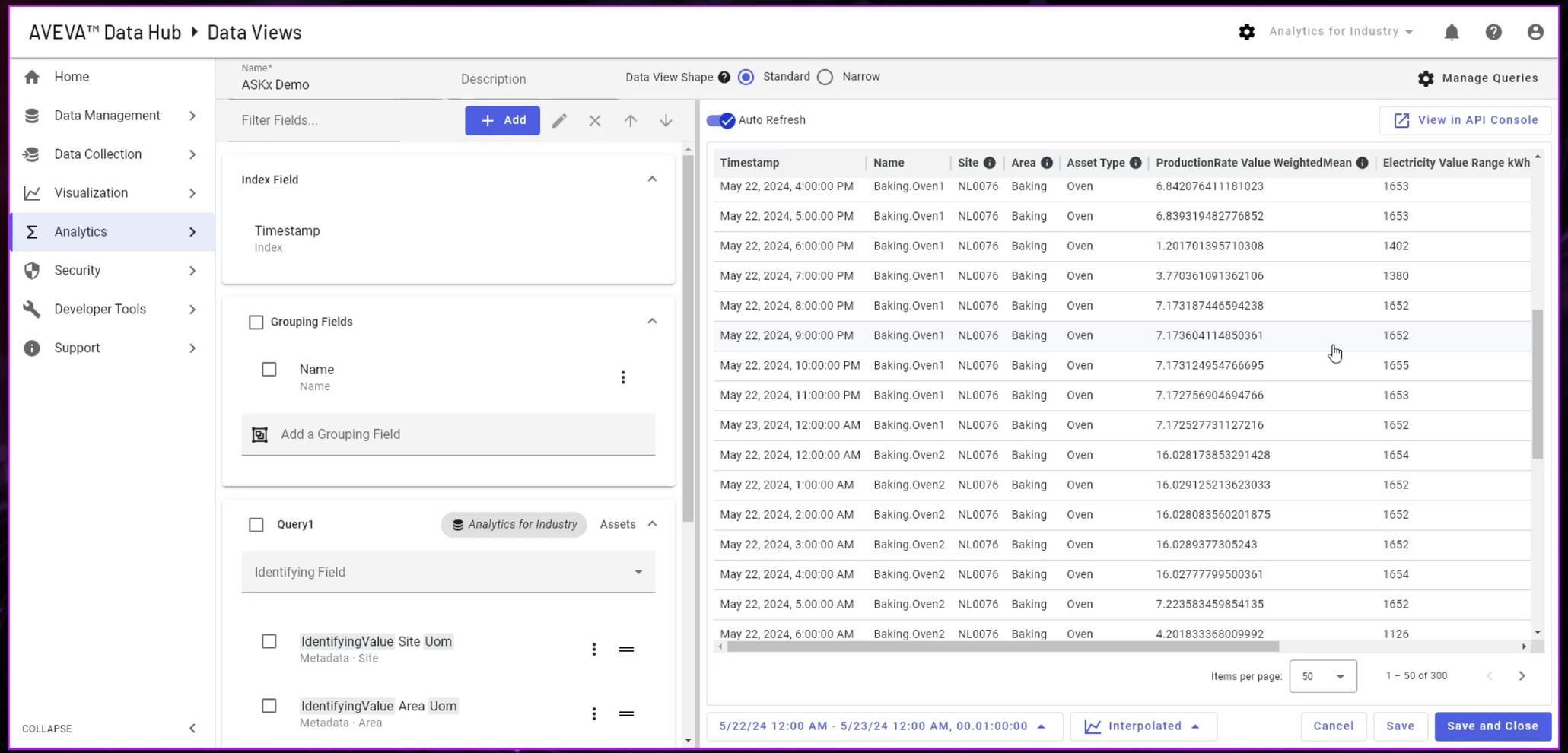
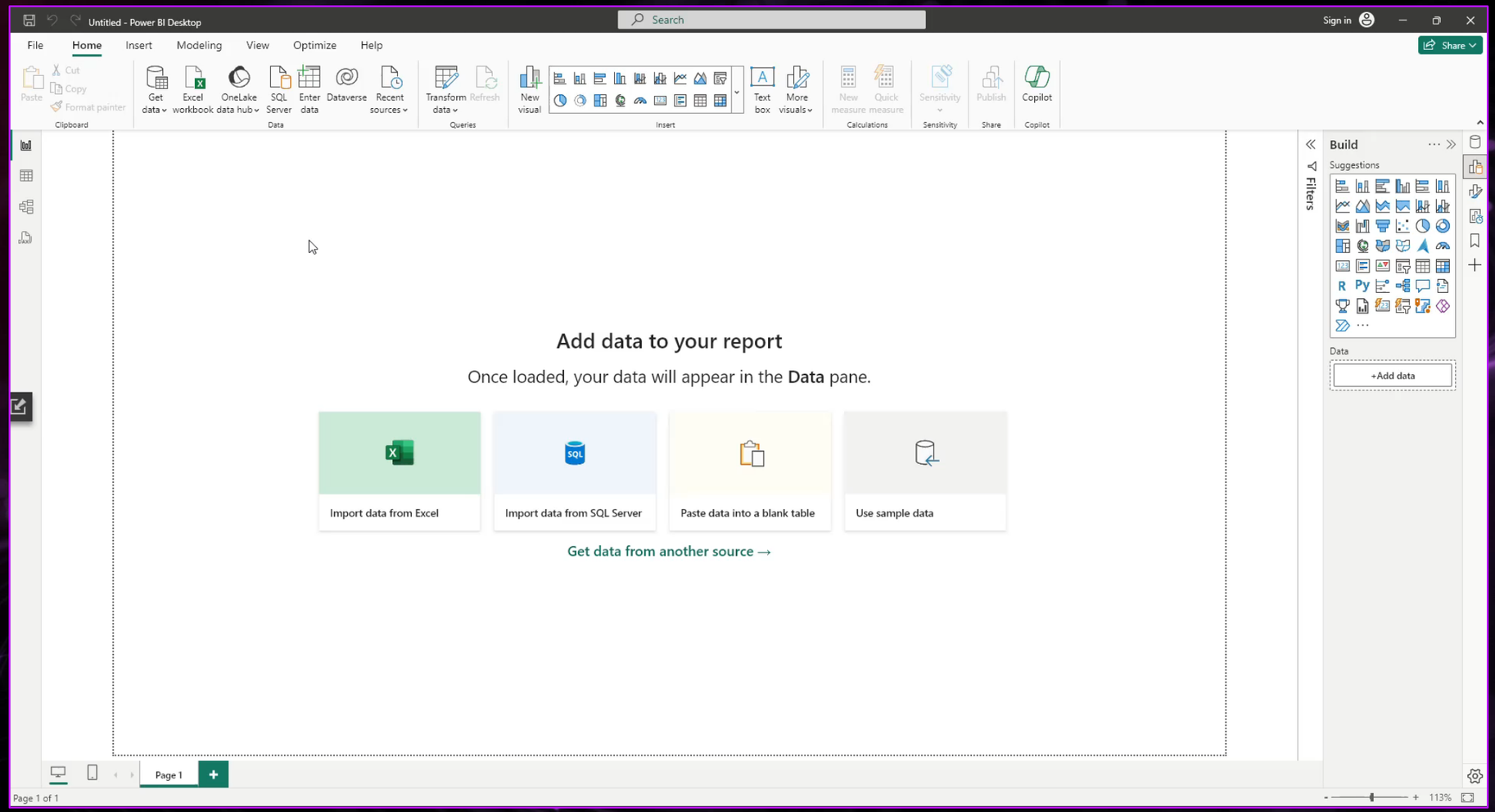


Management – Power BI



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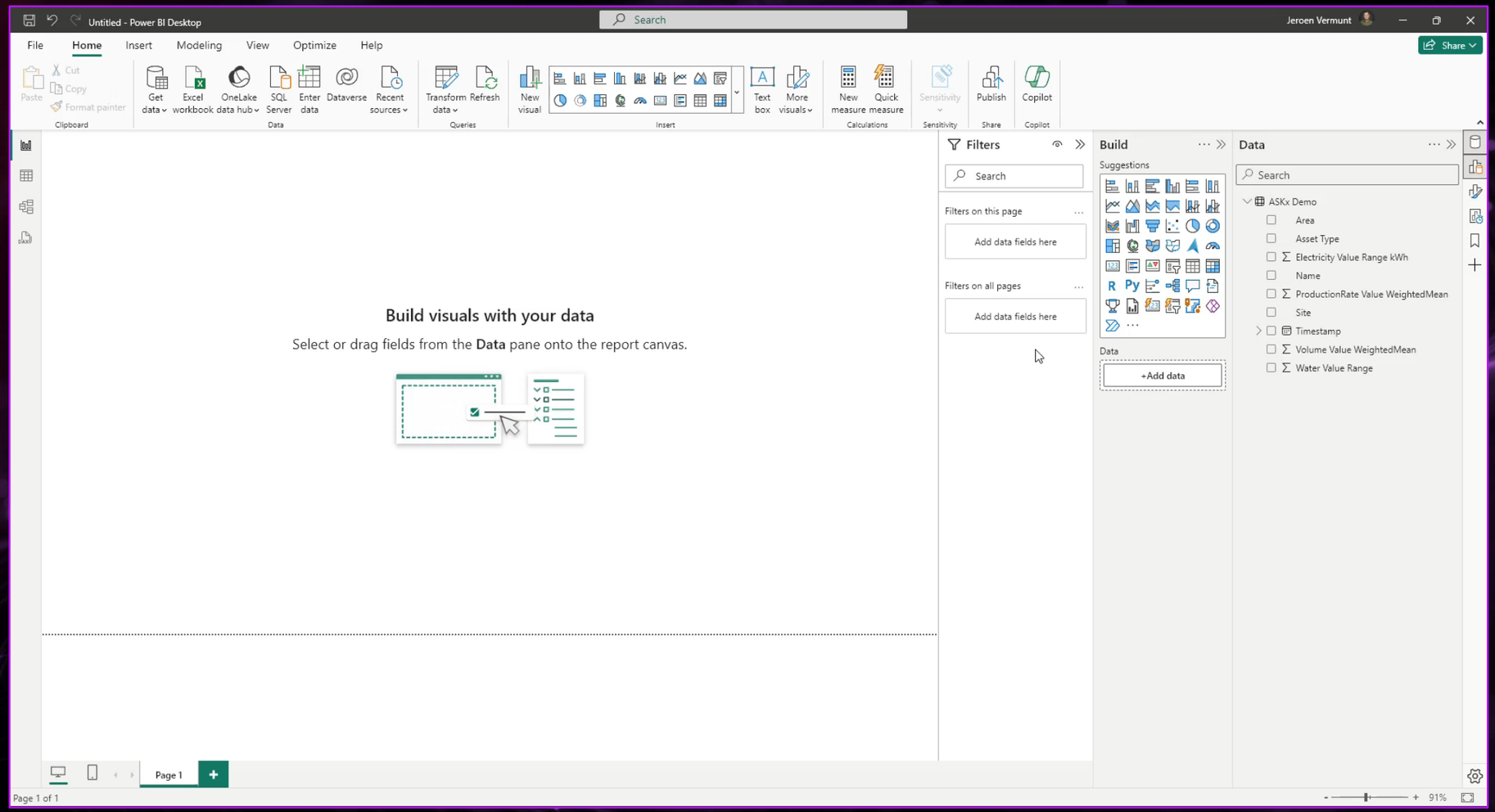


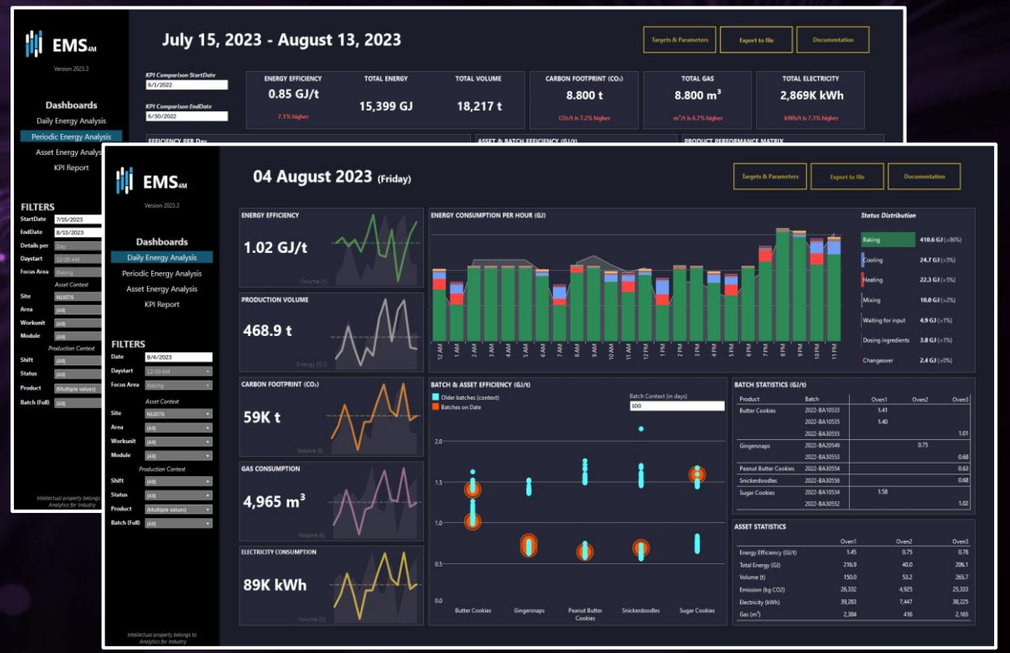
CONNECT: out-of-the-box examples

ASK X CONFERENCE

ANALYTICS FOR INDUSTRY

Performance & OEE Analysis (MES)

Energy Monitoring & Analysis (EMS)



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