TUESDAY, MAY 17, 2022

# Tapping into data from your industrial ecosystem on AVEVA<sup>TM</sup> Data Hub

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Industrial Operator Priorities





Productivity Efficiency Profitability







Selectively approached



AVEVA

## Disruption of our systems



Jan 2020, COVID-19



Jul 2021, Ahrtal



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Feb 2022, Ukraine
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Unseen **acceleration** of market demands



Consumer desire for green alternatives



Commodity price fluctuations



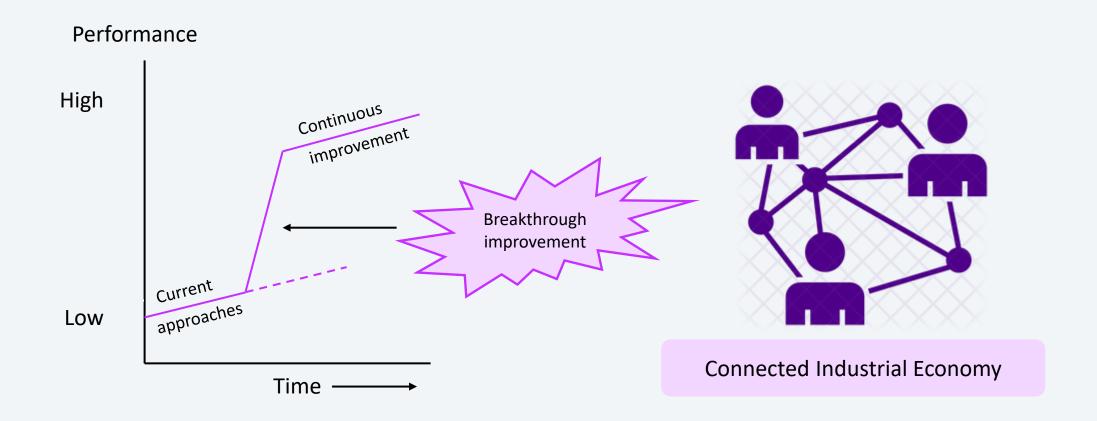


Labor shortages and remote work

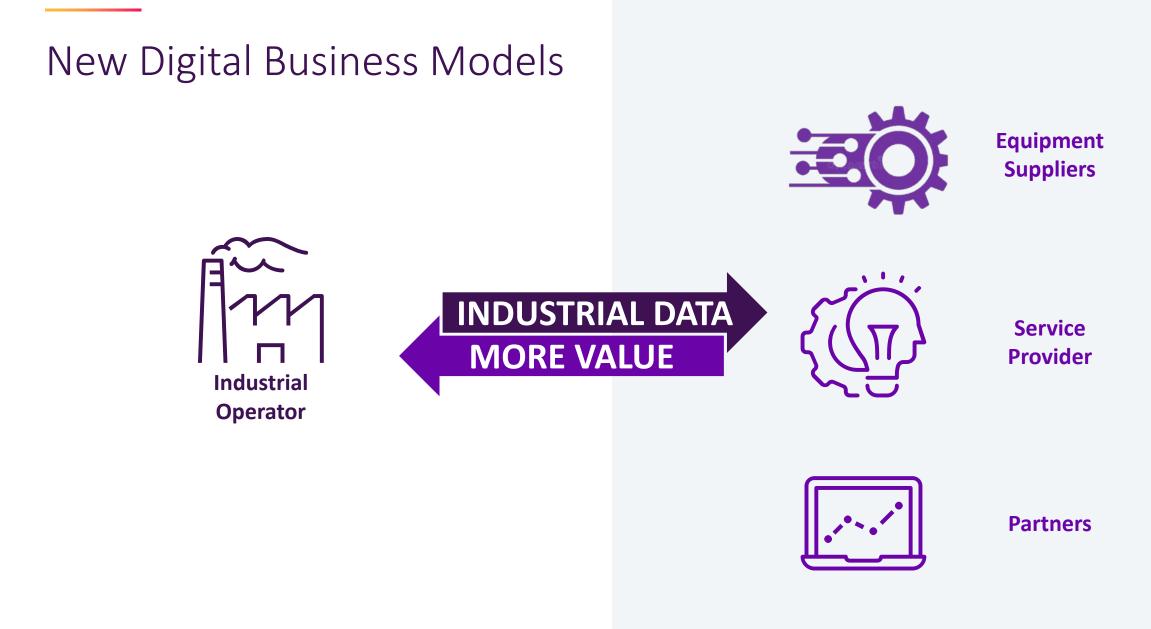


Supply chain and service disruptions

## Break through improvement needed





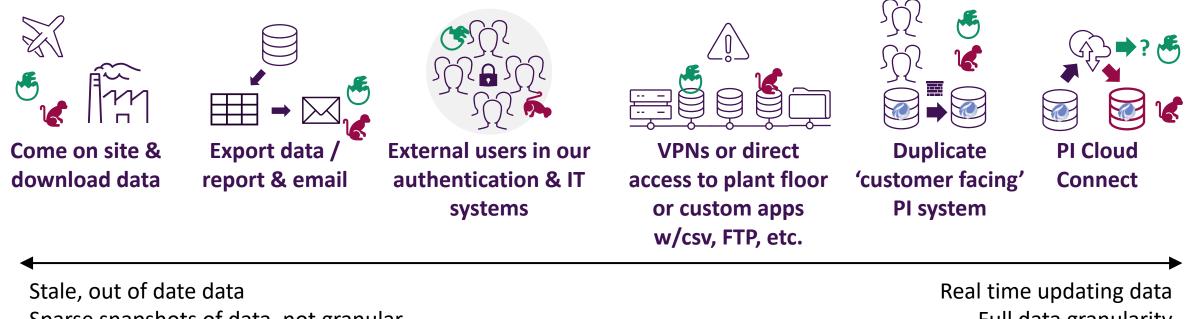


## Empowering an ecosystem to deliver customer value



## Data sharing challenges today

From the age of the dinosaurs & some modern-day monkey business!



Sparse snapshots of data, not granular Very resource intensive Analysis and value is severely delayed Real time updating data Full data granularity Automated data copy to outside

## Hybrid Industrial Cloud



Industrial Requirements

Data Formats Critical Infrastructure On-prem/Hybrid No IT resources



## Connect the Community with Data





**AVEVA Connect** 

with

**AVEVA Data Hub** 

 Creating a community platform based on shared industrial data

- Connecting securely, sharing selectively and build to scale
- Dynamically create community teams and services based on the business critical issues

#### The hybrid industrial cloud platform

AVEVA CONNECT & AVEVA DATA HUB

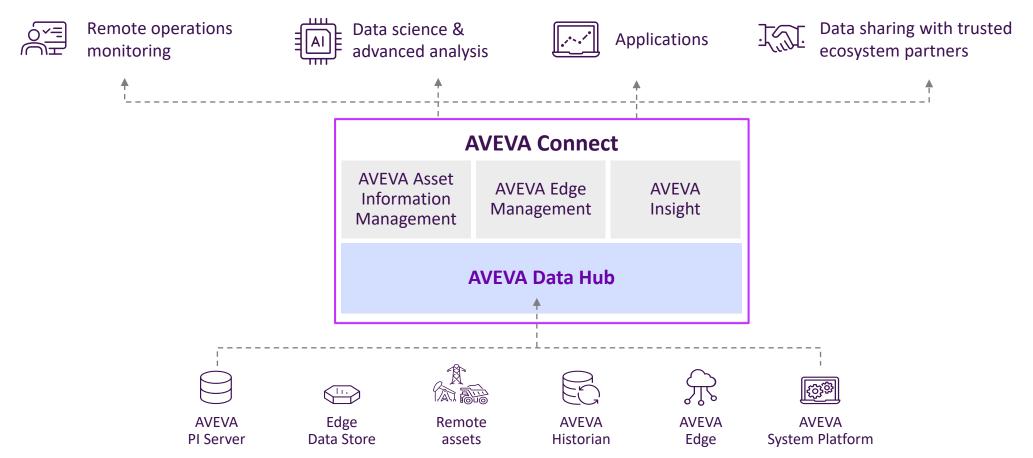
Connected Community



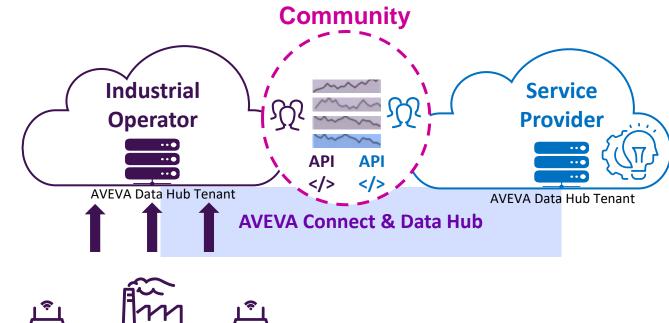
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## Connecting with your trusted ecosystem partners

AVEVA Connect enables a hybrid data architecture through cloud offerings



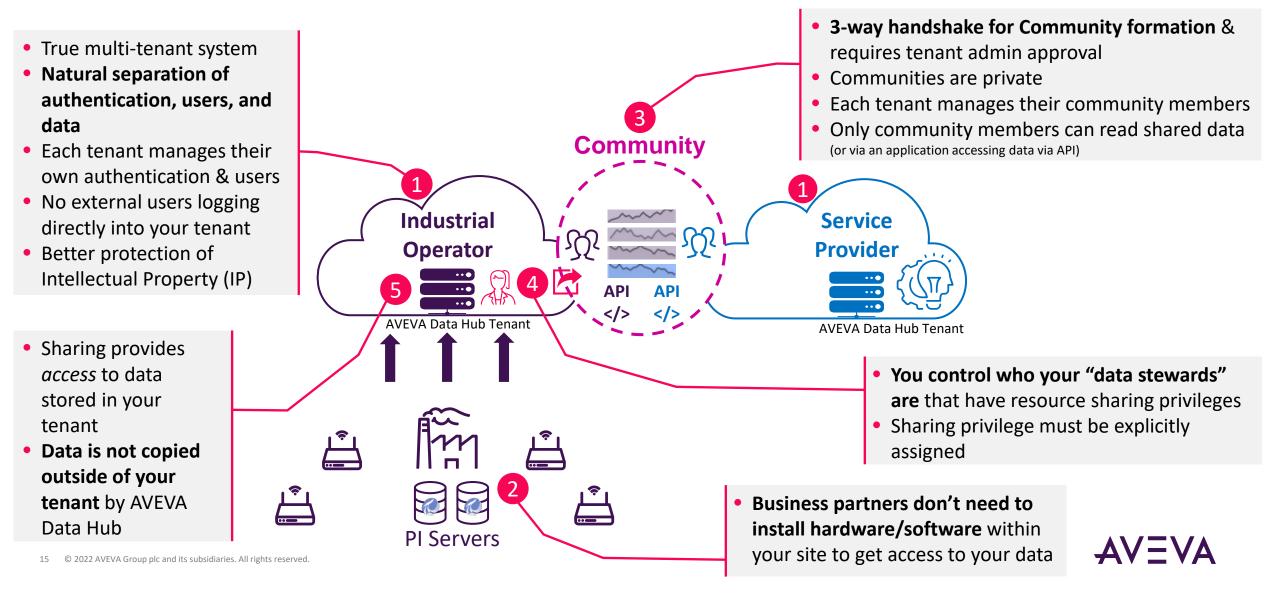
A more secure way to share operational data



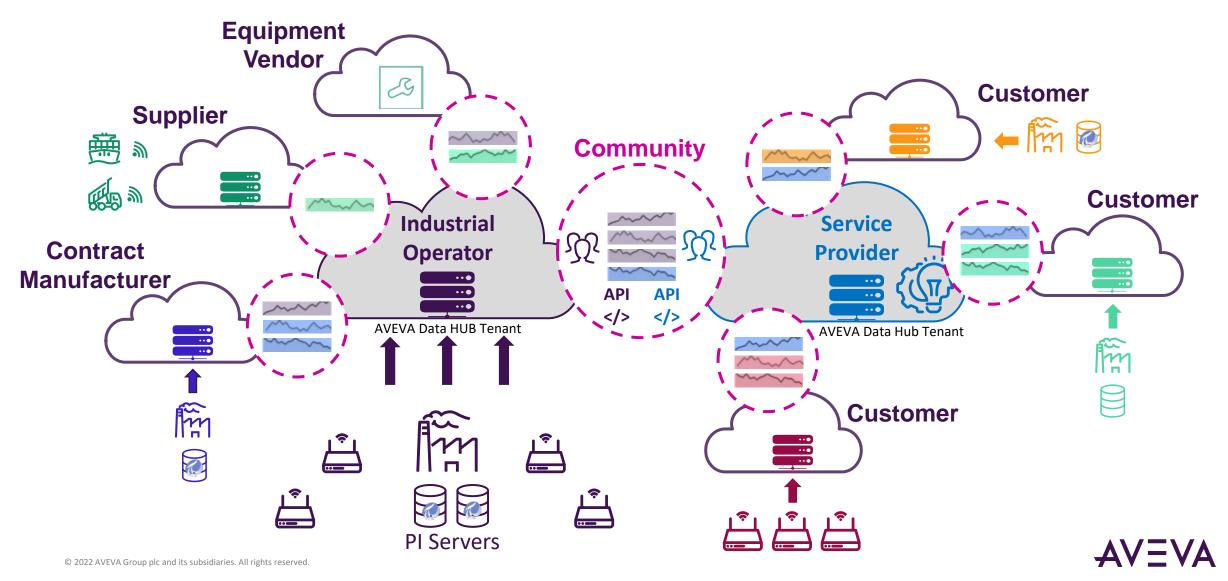




## A more secure way to share operational data



## Connected Community: Powering your industrial ecosystem



## Trend community shared operational data across tenants



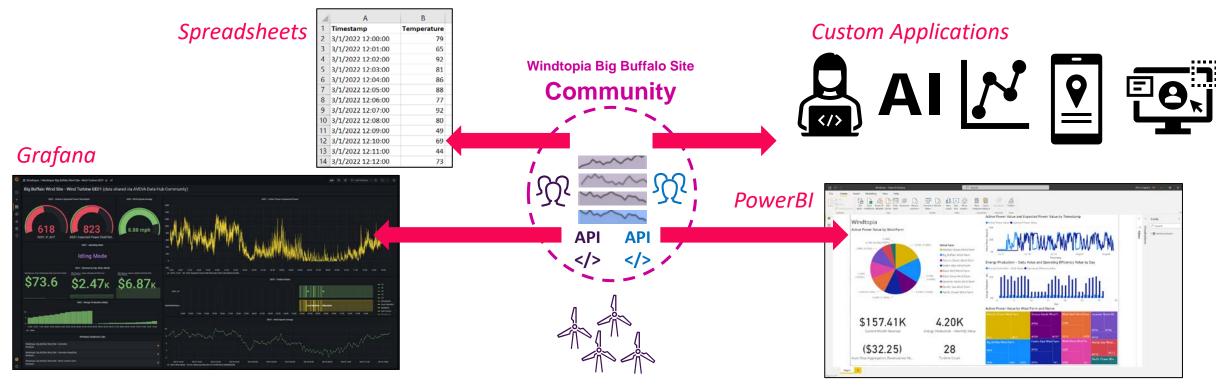
### AVEVA

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Link to trend must be a community member to view

## Leverage AVEVA Data Hub API to access to shared data

#### 3<sup>rd</sup> party tools & Custom applications



Get data from a community shared stream between a start time and end time

URI Path GET https://uswe.datahub.connect.aveva.com/api/v1 preview/tenants/<TenantID>/namespaces/<NamespaceID>/streams/<StreamID>/data?
startIndex=3/1/2022&endIndex=4/1/2022
Headers: {community-id, <CommunityID>}



#### Renewable power data made available using AVEVA Data Hub

#### Challenges

- Need dataset in near-real time for operations instead of time-delayed CSV files.
- Share identical dataset with power scheduler.

#### Solution

- Disparate data sources aggregated and shared via cloud-based AVEVA Data Hub.
- Analysis and reporting with AVEVA Data Hub supports compliance requirements.

#### Results

- Analysis with data aggregated by AVEVA Data Hub has saved thousands of dollars on power purchases.
- Cloud-based solution **eliminates required IT infrastructure** and resources.
- Single platform for power datasets **reduces the time to onboard new staff.**





## AVEVA Data Hub Connected Community

Enables simple & secure operational data sharing across organizations

				optional	
Achieve a more secure way of sharing your data	Manage your own users in your AVEVA Connect account	Easily connect to your trusted business partners in an AVEVA Data Hub community	Gain control over your shared data	Works great with an AVEVA PI Server (but not required)	Scale your sharing to many business partners

## Learn more about AVEVA Connect & AVEVA Data Hub

#### AVEVA Data Hub @ AVEVA PI World 2022 – Amsterdam

- Day 1: Cloud Data Platform Track
  - <u>AVEVA</u>: AVEVA Connect vision & roadmap [14:00]
  - <u>AVEVA</u>: Increasing the value of your existing data through innovation with AVEVA Data Hub [14:40]
  - <u>AVEVA</u>: Tapping into data for your industrial ecosystem on AVEVA Data Hub [15:40] [this talk]
  - <u>AVEVA</u>: Four Pillars of a Trusted Information Infrastructure [16:20]
  - <u>AVEVA</u>: Lighten your load: How to accelerate time to value and streamline technology upkeep through SaaS [17:00]

- Day 2: Customer Presentations
  - <u>HENN</u>: OSIsoft Cloud Services in discrete manufacturing / value chain approach [8:40]
  - <u>EDP Renewables</u>: Analyzing Wind Power data in AVEVA Data Hub [9:45]
  - <u>Industrial Digital Solutions</u>: Real Time Fleet Analytics with OCS [14:00]
  - <u>IMA LIFE</u>: Leveraging the combination of on-prem PI Server and OCS cloud, to feed data analytics and machine learning applications [14:00]
  - <u>Enel</u>: Leveraging on AVEVA Edge/Cloud solutions to satisfy Enel's new data needs [16:00]

- Day 3: AVEVA Product Deep Dives
  - <u>AVEVA</u>: Customer Administration Best Practices for AVEVA Connect [10:00]
  - <u>AVEVA</u>: Securely share data with your trusted business partners & customers using AVEVA Data Hub connected community [11:15]
    [Detailed Product talk on Community Data Sharing with Demos]
  - <u>AVEVA</u>: The Data Value Chain: From Edge to Impact [13:30] [highly recommended]
  - <u>AVEVA</u>: Data Collection On-premises and at the Industrial Edge [13:30]

## Connected Industrial Community

**AVEVA Connect: Industrial Cloud Platform** 



- Create more value from your industrial operational data
- Address the business-critical issues by connecting a community
- Gradually grow from your current infrastructure
- Domain specific cloud services for industrial use cases







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AVEVA is a global leader in industrial software, driving digital transformation and sustainability. By connecting the power of information and artificial intelligence with human insight, AVEVA enables teams to use their data to unlock new value. We call this Performance Intelligence. AVEVA's comprehensive portfolio enables more than 20,000 industrial enterprises to engineer smarter, operate better and drive sustainable efficiency. AVEVA supports customers through a trusted ecosystem that includes 5,500 partners and 5,700 certified developers around the world. The company is headquartered in Cambridge, UK, with over 6,500 employees and 90 offices in over 40 countries.

Learn more at <u>www.aveva.com</u>