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Tetra Pak[®] PlantMaster AVEVA System Integrator Kits

SCADA and MES

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AVEVA



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Agenda

1. Intro
2. Tetra Pak in Short
3. Tetra Pak[®] PlantMaster
4. Tetra Pak Production Control SI-Kit
5. Tetra Pak AVEVA MES SI-Kit

Intro



Tetra Pak in short

“Protect what’s good”





OUR VISION

We commit to making food safe
and available, everywhere





OUR PROMISE





Our Business 2020

70 years working alongside food producers

>25,309
Employees

>160
Countries

>183 billion
Packages sold

€10.8 billion
Net sales



	Packaging	Processing	Downstream
Units delivered	388	2 209	1 066
Units in operation	>8 797	>100 980	>21 801



Customer success is at the heart of everything we do

We dedicate ourselves to understanding your needs and those of your customers, using our global resources and proven industry and market expertise to help you fulfill your ambitions.



Consultancy

Food Protection

Processing

Services

Automation

Packaging

Sustainability

Distribution

Marketing

Tetra Pak[®] PlantMaster

“Leveraging on AVEVA software and Tetra Pak Automation expertise, we kick start all Automation and MES projects with the SI-Kits!”





Get total control of your operations and maximize value



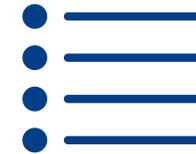
Challenge

- ▶ Get total control of your operations
- ▶ Reduce time losses, downtime and waste
- ▶ Secure consistent product quality and full control of food safety
- ▶ Customize freely and be ready for the future



Solution

- ▶ Tetra Pak® PlantMaster concept in combination with AVEVA software portfolio.
- ▶ A toolkit with components, templates and example solutions



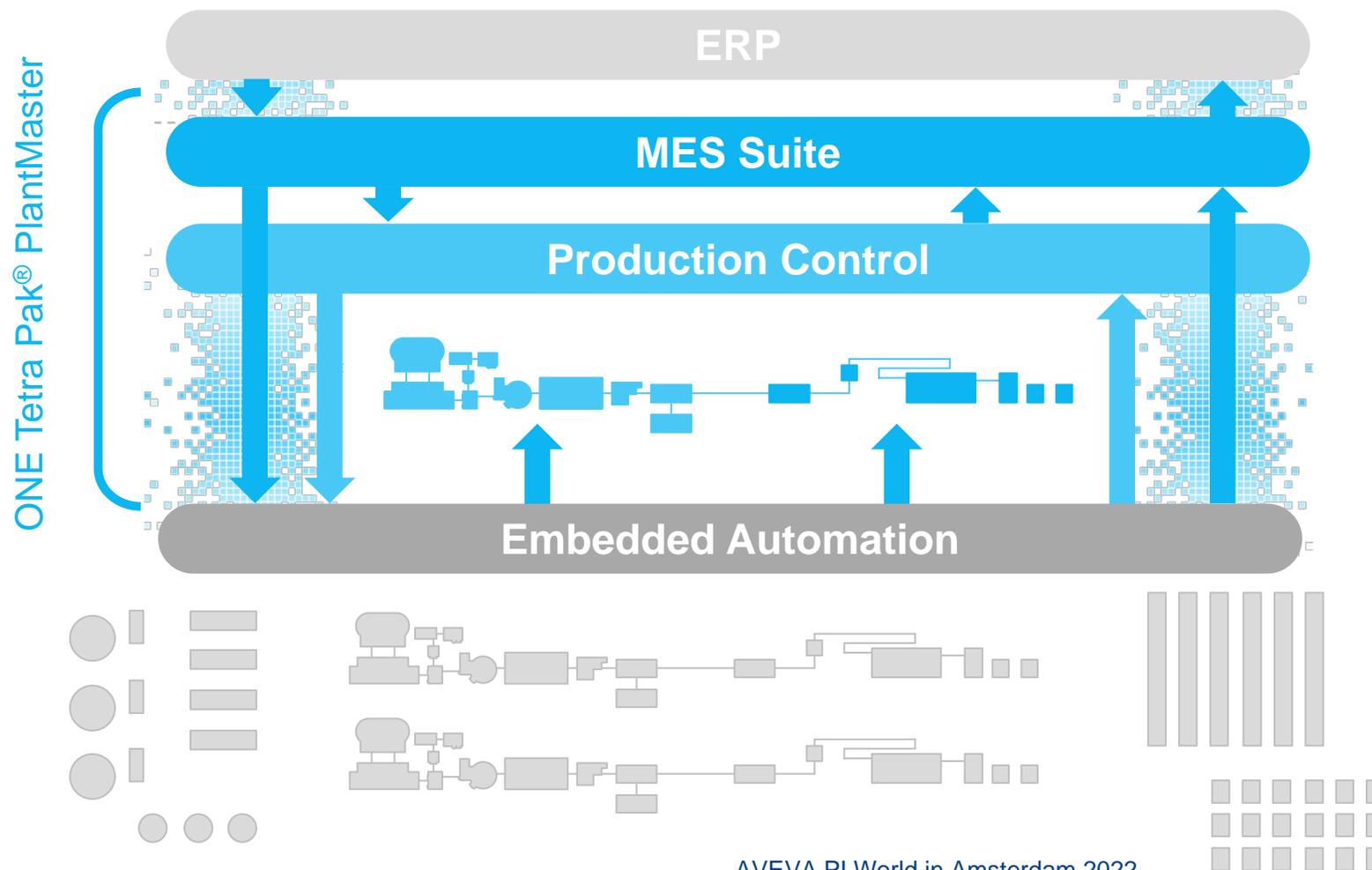
Benefits

- ▶ All operational data available in one system in a structured way
- ▶ Get full insights and full control of your operations
- ▶ Optimized operation with one common user-friendly interface
- ▶ Open and customizable



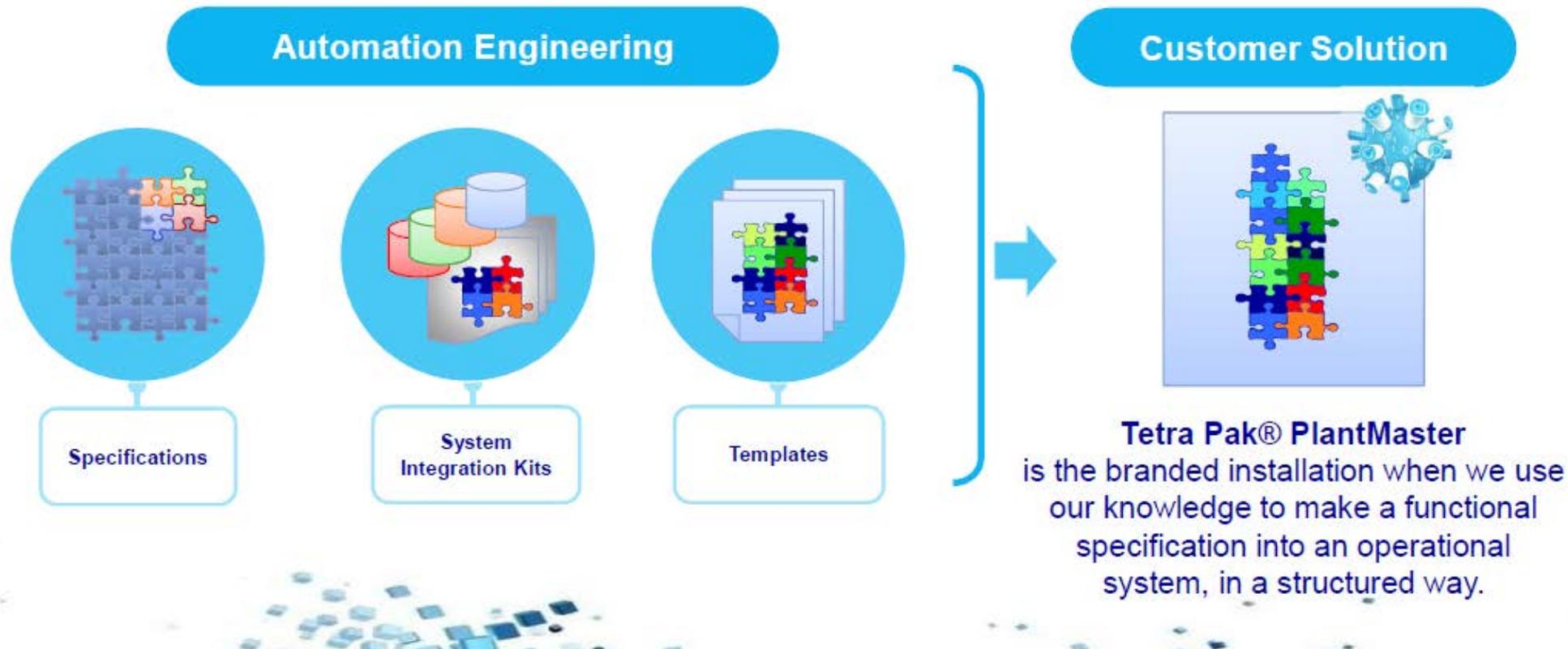
One Tetra Pak[®] PlantMaster

One complete solution takes you to your optimal performance





One Tetra Pak® PlantMaster





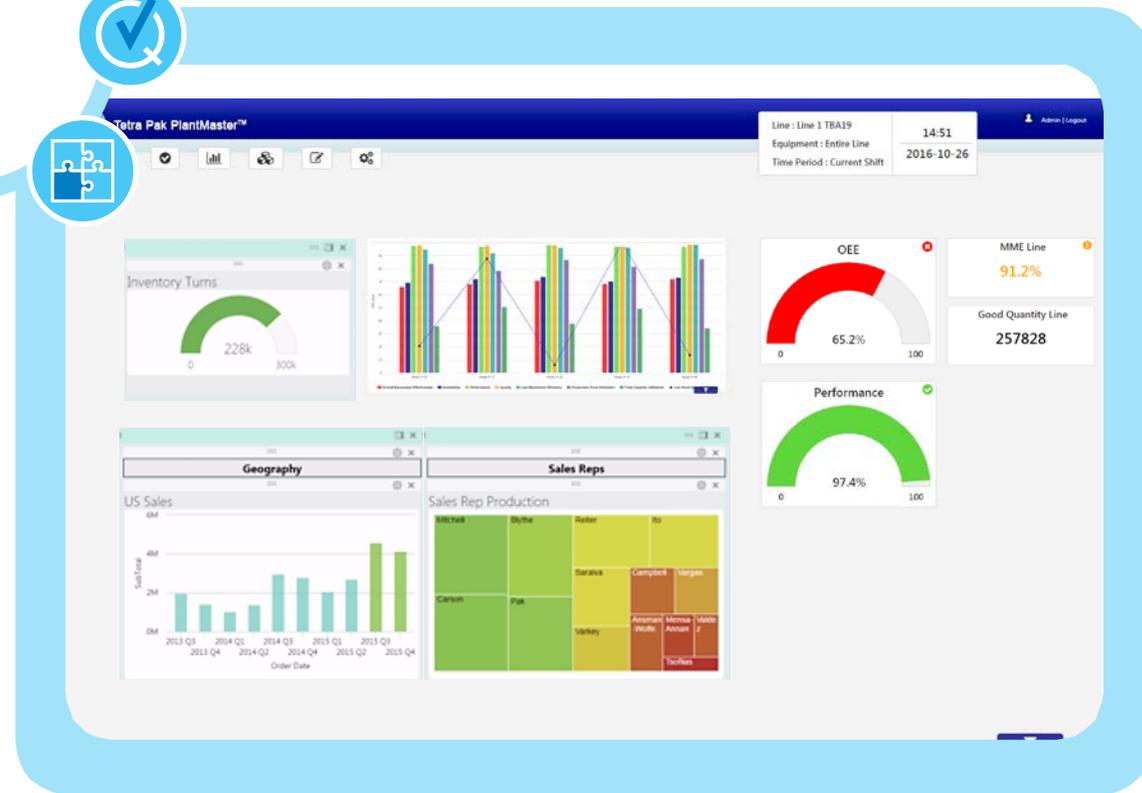
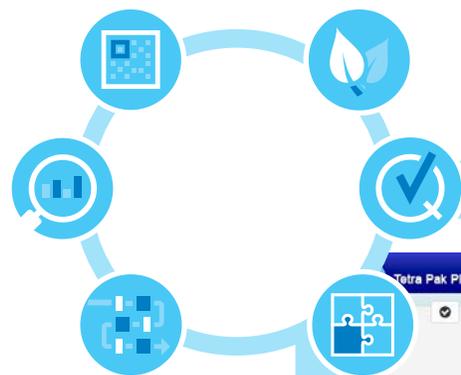
Benefits

Scalable and expandable

Pick components for your operations

Open and customizable

Maintainable and upgradeable



Tetra Pak® Production Control SI-Kit

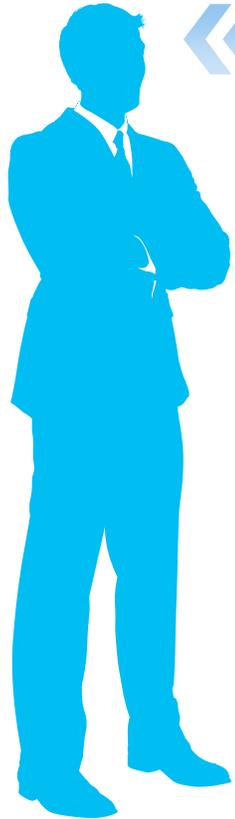
“Plant automation solution for better control of production”





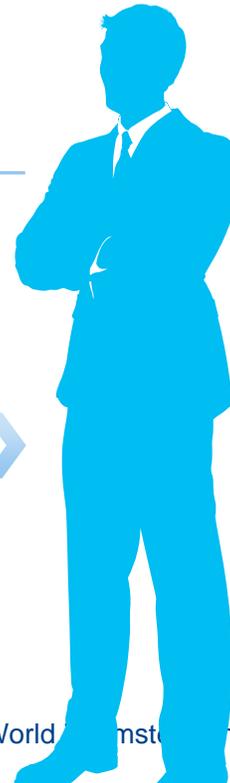
Tetra Pak[®] PlantMaster Production Control

Plant automation solution for better control of production



« As **Production Manager**, I want production according to **standard operation procedures**, and defined and documented specifications, **every time** »

« As a **Maintenance Manager**, I want to avoid obsolescence that could impact the production and to only have one common system »



« As a **Business owner** (Factory Manager, Company owner) I want to increase production control to **reduce losses and workforce** and to **secure quality** »





Production Control SI-kits

Using Aveva SCADA and HMI products

- ▶ **Aveva System Platform SI-kit**
 - Templates
 - Graphic Toolbox
 - InTouch for SP application
- ▶ **InTouch HMI SI-kit**
 - Using Industrial Graphics to create an object-oriented approach together with a naming structure of the tags
 - Backbone framework for window handling and navigation





Next steps

Developing the HMI concept further

TASK ORIENTATION

SITUATIONAL AWARENESS

DATA DRIVEN HMI



Tetra Pak® AVEVA MES SI-Kit

“Plant automation solution for better operation of production”





Tetra Pak[®] PlantMaster MES Suite

Manufacturing execution management system



As a **Factory Manager**, I want to increase production operations to **support performance improvement, reduce operational costs, standardise operations** and facilitate **quality compliance**



As a **Production Manager**, I want to visualize relevant data from production, to have better control and support my decision-making





Our Solution

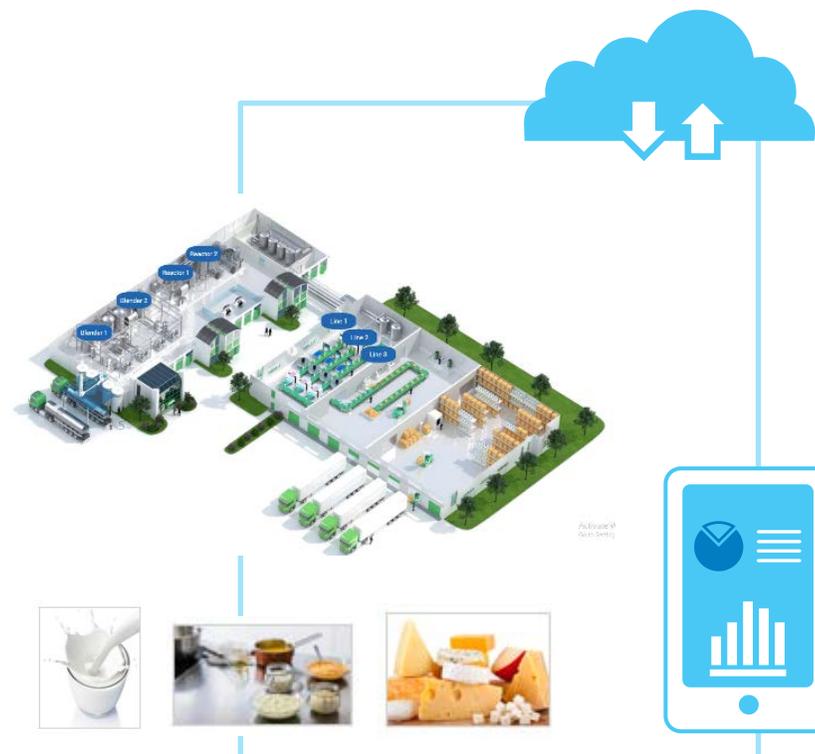
Tetra Pak PlantMaster AVEVA MES SI-Kit

Standardization of Procedure, Production rules

A Solution Fit for Dairy Production

Digitalisation w. Open and Integrated approach

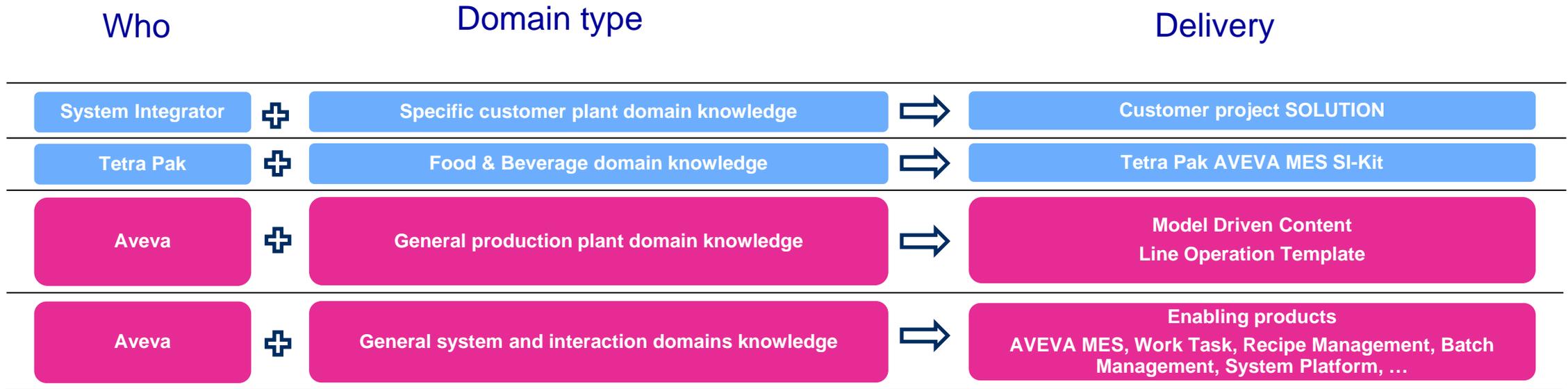
Concept Solutions with documentation





Our solution

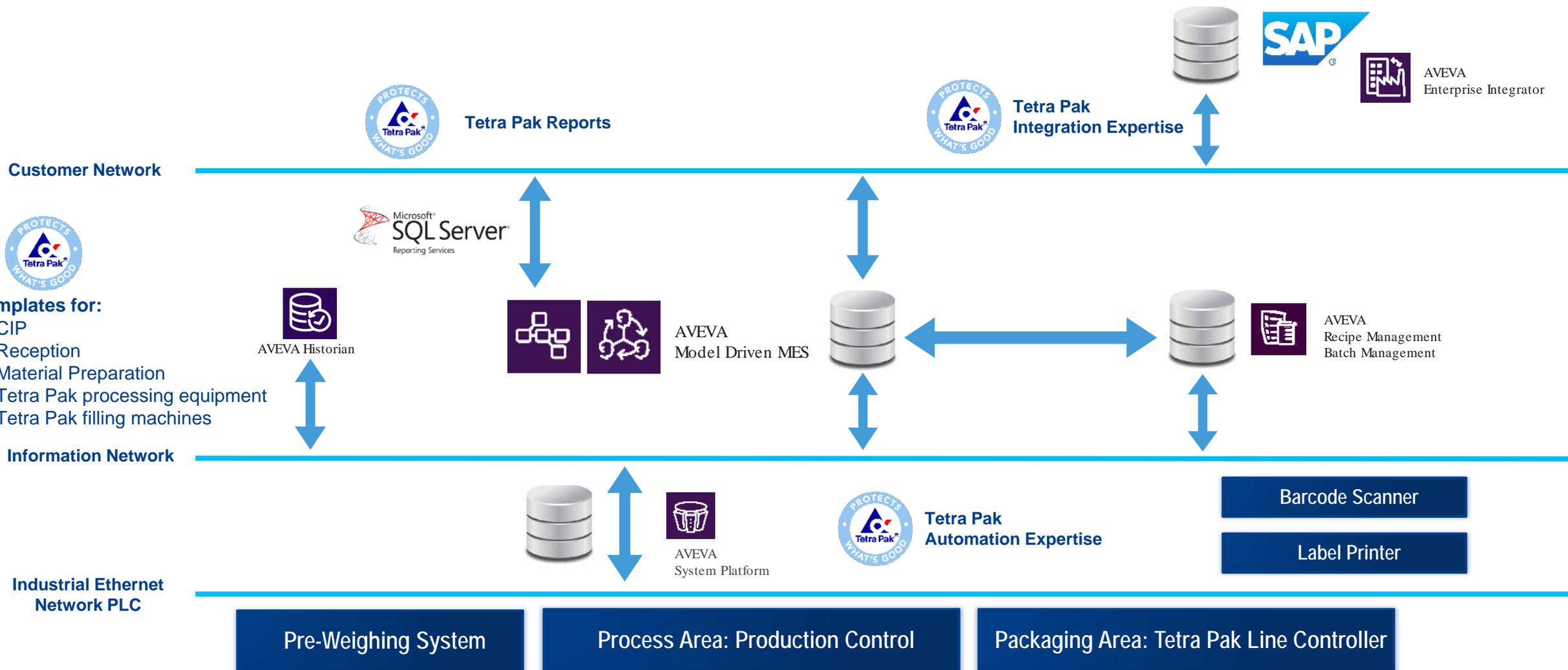
Domain knowledge in steps





AVEVA MES SI-Kit

High-level architecture



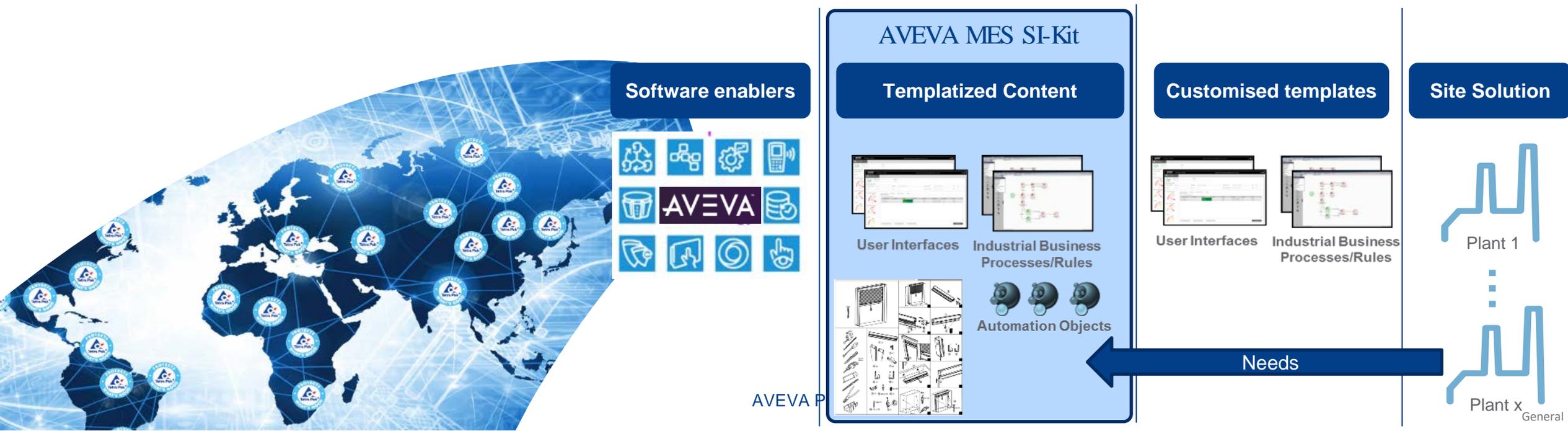


Delivered Result

AVEVA MES SI-Kit can help our customers

An engineering efficient solution also focusing on solution quality, for customers choosing or already have chosen AVEVA MES.

- Better: Capture and standardize best practices by Template approach and Project Collaboration
- Faster: Familiarize delivering reusable solution library with extensive documentation and training



THANK YOU

謝謝

DZIĘKUJĘ CI

NGIYABONGA

TEŞEKKÜR EDERİM

DANKIE

TERIMA KASIH

GRACIES

WHAKAWHETAI KOE

DANKON

TANK

TAPADH LEAT

SALAMAT

SPASIBO

GRAZIE

MATUR NUWUN

ХВАЛА ВАМ

MULŢUMESC

PAKMET CIZGE

고맙습니다

GRAZIE

شكرا

FAAFETAI

ESKERRIK ASKO

GO RAIBH MAITH AGAT

HVALA

HVALA

БЛАГОДАРЯ

GRACIAS

MAHADSANID

TI БЛАГОДАРАМ

TEŞEKKÜR EDERİM

TAK DANKE

DANKJE

EΥΧΑΡΙΣΤΩ

GRATIAS TIBI

OBRIGADO

MAHALO IĀ 'ŌE

TAKK SKALDU HA

МЕРЦИ

RAHMAT

MERCI

GRAZZI

PAKKA PÉR

ありがとうございました

DI OU MÈSI

ĎAKUJEM

HATUR NUHUN

PAXMAT CAĜA

SIPAS JI WERE

TERIMA KASIH

CẢM ƠN BẠN

UA TSAUG RAU KOJ

TI БЛАГОДАРАМ

СИПОС

WAZVIITA

FALEMINDERIT

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ABOUT AVEVA

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 www.aveva.com