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# Tetra Pak<sup>®</sup> 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

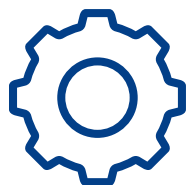
# Tetra Pak® PlantMaster

“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



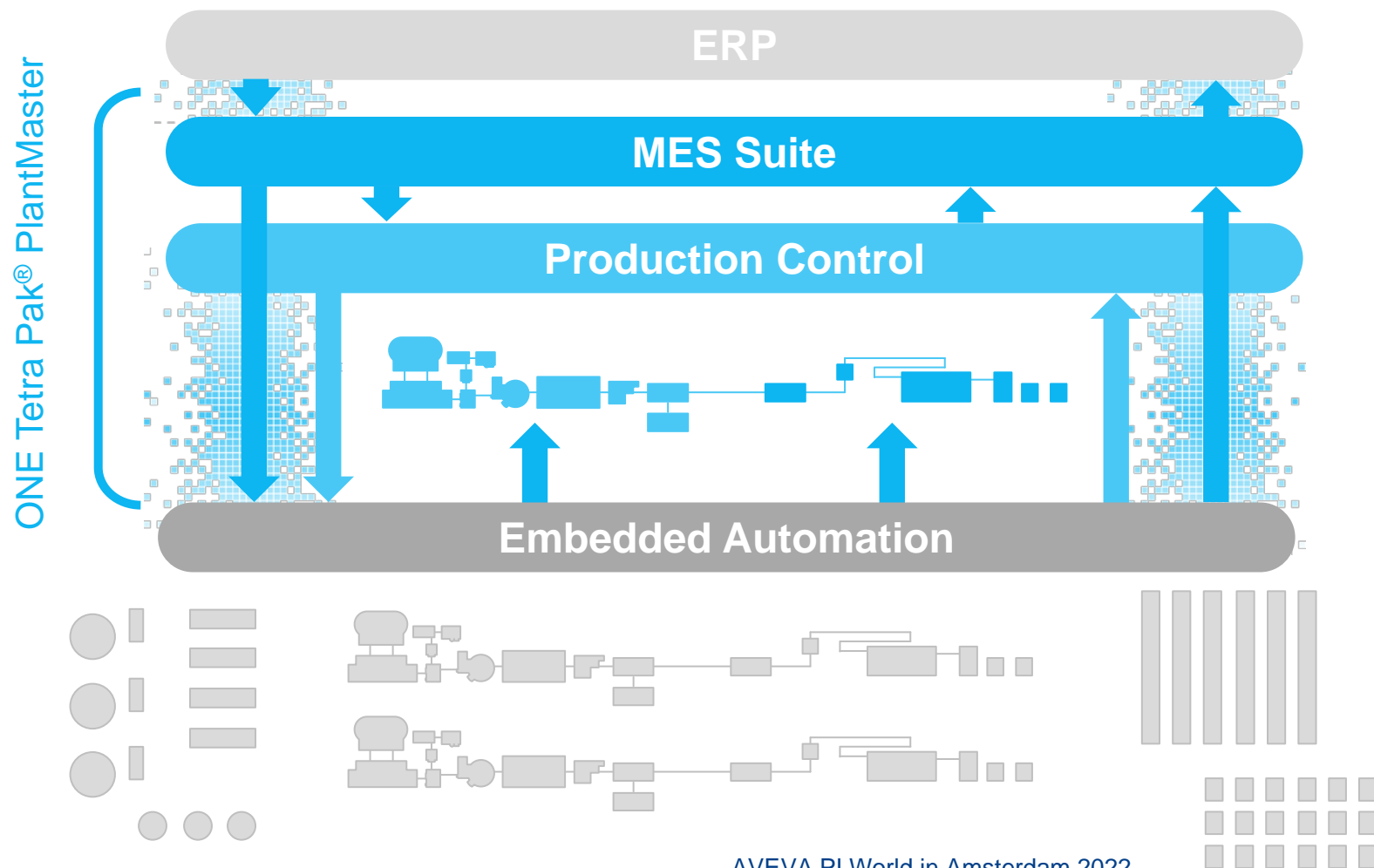
## Benefits

- ▶ 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



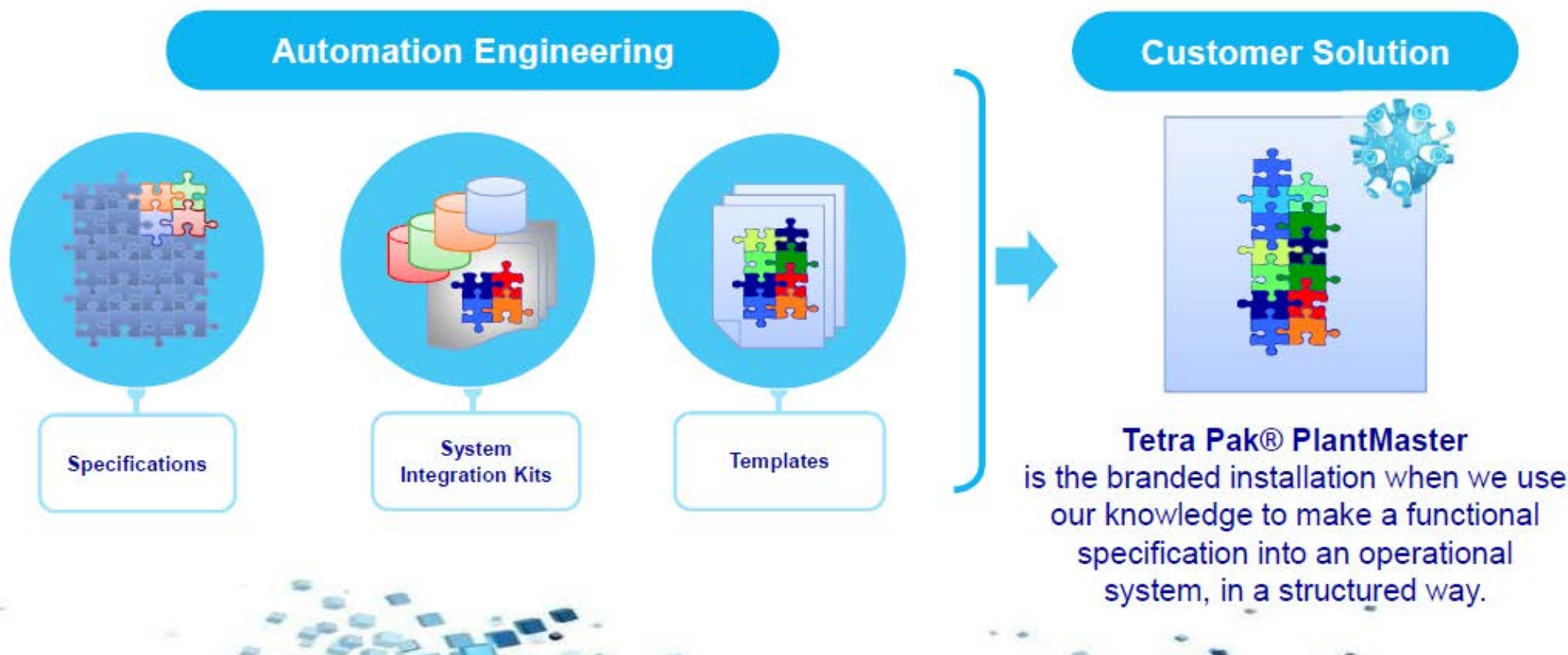
# One Tetra Pak® PlantMaster

One complete solution takes you to your optimal performance





# One Tetra Pak® PlantMaster





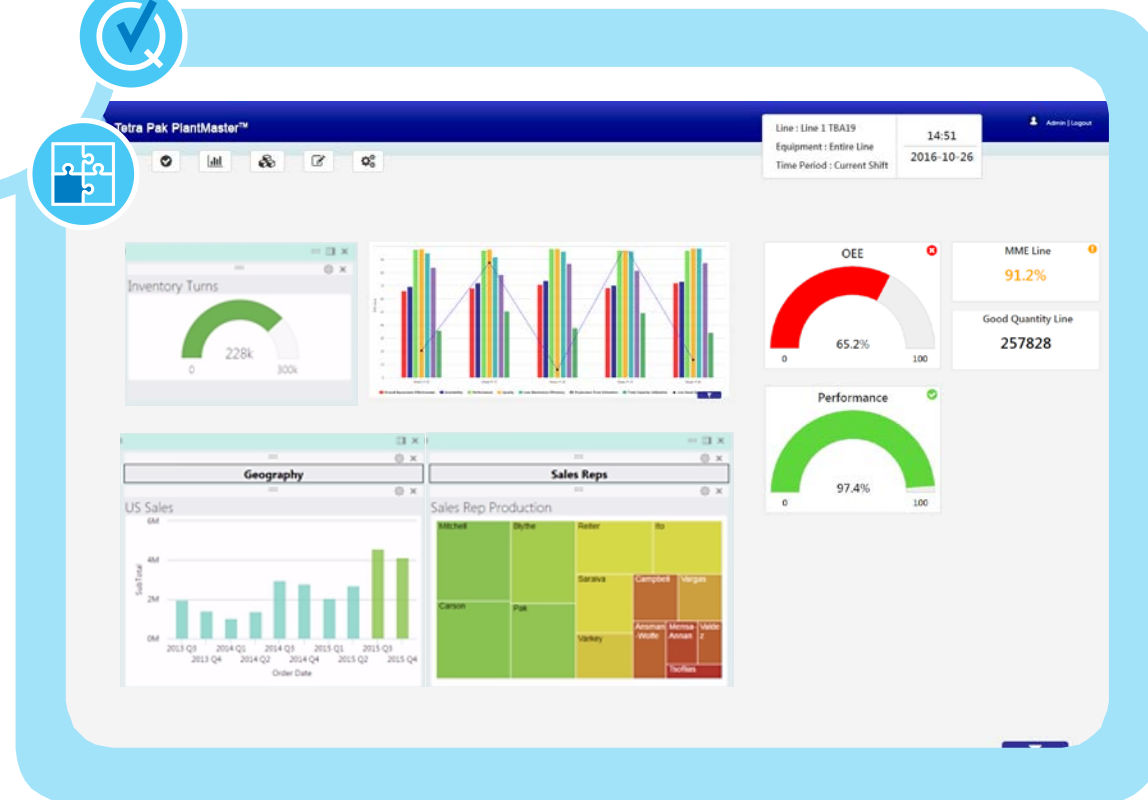
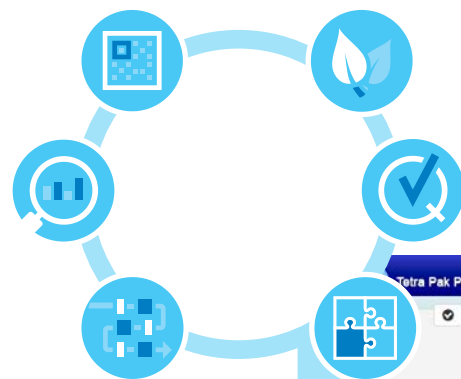
# Benefits

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** »

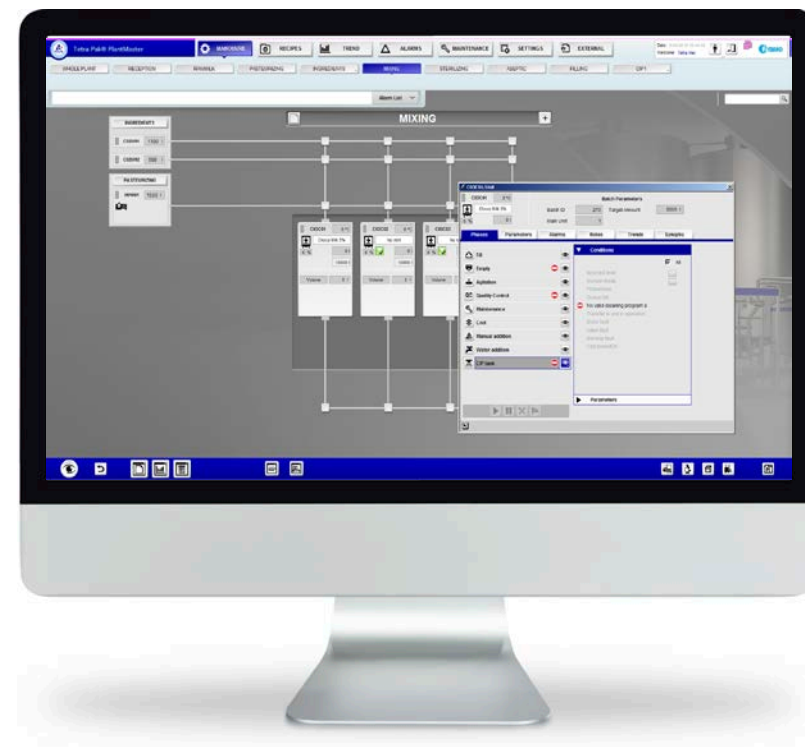




# Production Control SI-kits

## 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

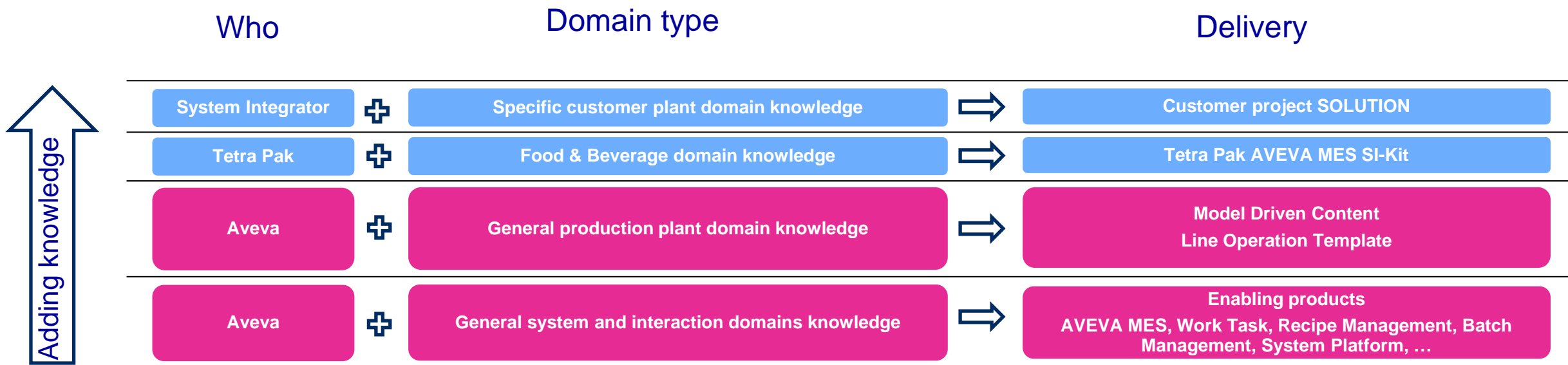
Concept Solutions with documentation





# Our solution

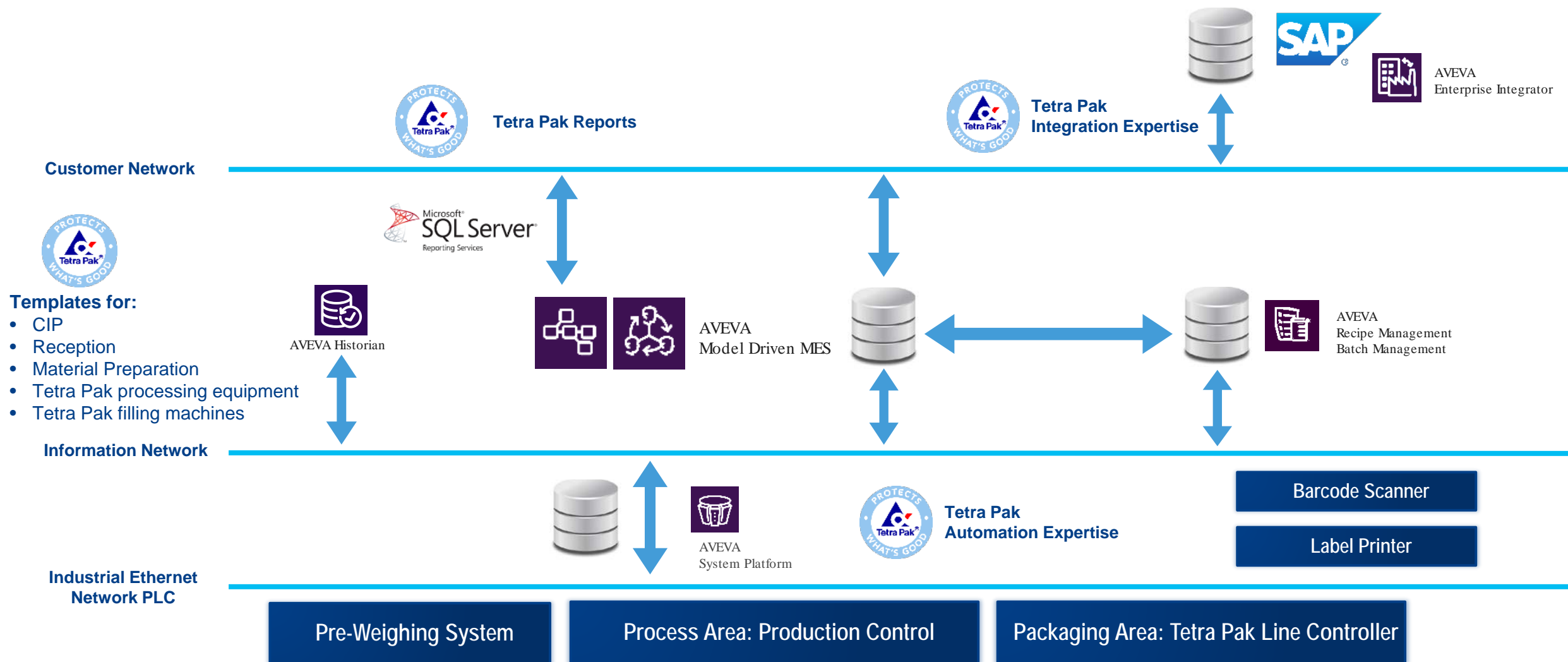
## Domain knowledge in steps





# AVEVA MES SI-Kit

## High-level architecture



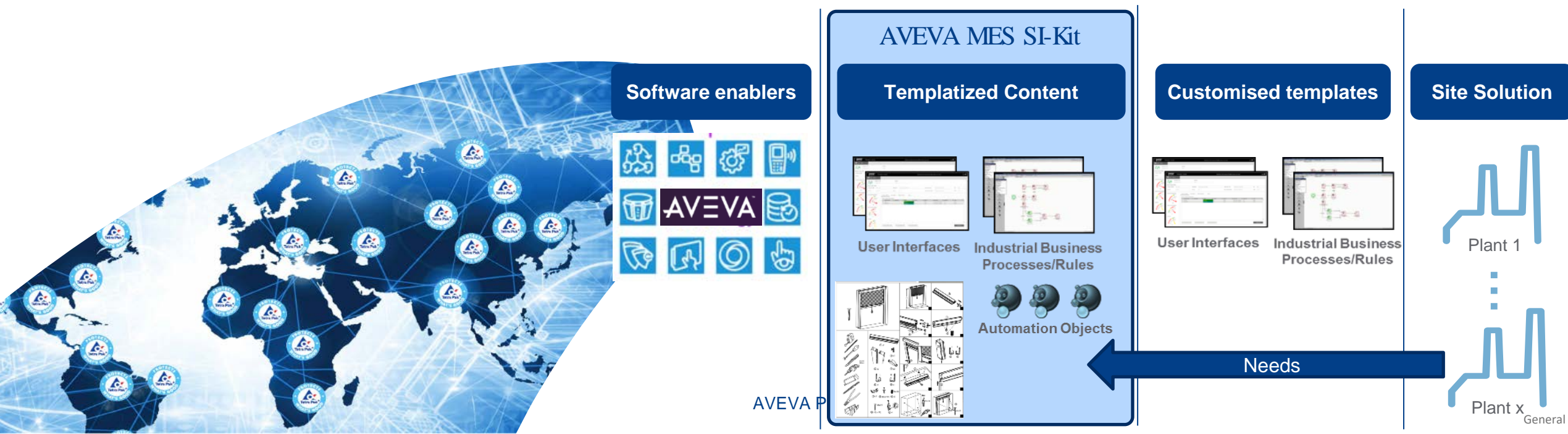


# Delivered Result

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

MULTUMESC

PAKMET CIZGE

고맙습니다

GRAZIE

شكرا

FAAFETA

ESKERRIK ASKO

HVALA

GO RAIBH MAITH AGAT

БЛАГОДАРЯ

GRACIAS

ТИ БЛАГОДАРАМ

MAHADSANID

TEŞEKKÜR EDERİM

OBRIGADO

TAK

DANKE

MAHALO IĀ 'ŌE

TAKK SKAL DU HA

MERCİ

DI OU MÈSI

ĐAKUJEM

RAHMAT

MERCİ

GRAZZI

PAKKA PÉR

HATUR NUHUN

PAXMAT CAĞA

CẢM ƠN BẠN

WAZVIITA

FALEMINDERIT

ありがとうございました

SIPAS JI WERE

TERIMA KASIH

UA TSAUG RAU KOJ

ТИ БЛАГОДАРАМ

СИПОС

KÖSZÖNÖM

KEA LEBOHA

MISAOTRA ANAO

БЯЯРЛАЛАА

ТАРАДХ ЛЕІВН

ДЗЯКУЎ

MAHADSAID

MAHALO IĀ 'ŌE

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OBRIGADO

MERCİ

DI OU MÈSI

ĐAKUJEM

PAKKA PÉR

PAXMAT CAĞA

CẢM ƠN BẠN

WAZVIITA

FALEMINDERIT

ありがとうございました

SIPAS JI WERE

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ТИ БЛАГОДАРАМ

СИПОС

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