



Countless parts.
One flow.



WHO IS INDEFF OUR MAIN COMPETENCES



**INDUSTRIAL
AUTOMATION**



**MANUFACTURING
EXECUTION SYSTEMS**



**ASSET PERFORMANCE
MANAGEMENT**



**SYSTEM
ARCHITECTURE**



**MANAGED
SERVICES**



THE FOUNDATION OF OUR SUCCESS

AVEVA

**ENDORSED
System
Integrator**

Endorsed Operate

Strategy for AVEVA – our core business
 Everyday, Everyone – Every Project
 Best application in Benelux (2004)
 1st ArchestrA Certified SI in EMEA (2004)
 1st Strategic SI Partner in EMEA (2007)
 1st Endorsed SI Partner in Benelux (2008)
 1st Endorsed SI multi regions, Europe, MIDDLE EAST and ASEAN
 Participation in the Invensys Collaborative Service Delivery program
 Member of WonderClub – Wonderware Elite EURA
 Best MES Application award EMEA (2009)
 Best MES Application award EMEA (2010)
 Best Wonderware Application Middle East for Oil & Gas (2012)
 Best MES Breakthrough in Asia-Pacific (2015)
 Most Wonderware License Influence Global (2016)
 System Integrator of the Year ASEAN (2017)
 Model Driven MES Founding Member (2017)
 Award for Number of Certified Engineers (2018)
 Top Contribution Award ASEAN (2020)
 Top Accelerator Award ASEAN (2020)
 Top SI with Certified Engineers ASEAN (2020)
 Member of AVEVA Software Partner Board (2018-2021)
 Award for the Best Win GLOBAL (2022)
 Nominated for Best Solution Award GLOBAL (2022)
 Partner President's Summit Award GLOBAL (2022)
 More than 400 AVEVA Product Certifications

WHO IS INDEFF

INDEFF AROUND THE WORLD

IN NUMBERS

Since 2003

+1000 delivered projects

11 offices

24/7 support



ACT AS ONE ...

**CORPORATE & REGIONAL COORDINATION
PROJECT METHODOLOGY & DOCUMENT SET
AUTOMATED ENGINEERING TOOLS
SHARING BEST PRACTICES
PROCESS KNOWHOW
SOLUTION MAP
LIBRARIES
TRAINING INVESTMENT**



AVEVA Digital Manufacturing

APS

Schedule Optimization

Connected Worker

Digital Collaboration, Training & Procedures

- Routine Work Tasks
- CIL, Center-Lines, start-ups, changeovers
- Quality checks
- Certifications
- Training, Alerts, WI's

Cloud Services

- Knowledge Management
- Visualization & Dashboarding
- AI / Machine Learning
- Data Science
- Data Sharing

Advanced Data Structure & Analytics

AVEVA Operations Platform

- ERP Integration
- MES (Operations Execution, Quality/SPC, OEE, Workflow)
 - Batch / Recipe Management
 - Process Visualization
 - Asset Performance Management
- Real Time Data Platform
- Data Historian and Analytics

Data Infrastructure

- Self Service Analytics
- Notifications
- Event Frames
- Analytics / RCA
- Asset Framework
- Data Archive

Monitor & Control

Edge

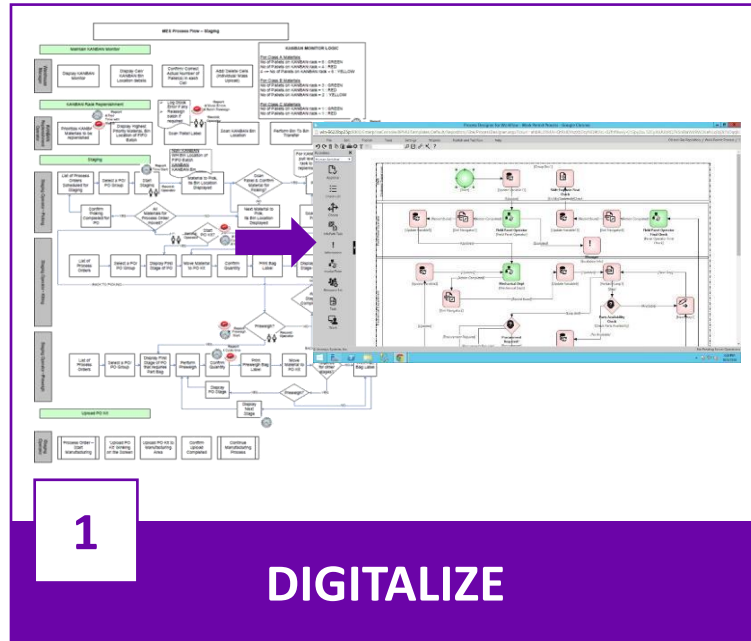
- IIoT Sensors
- Smart Devices
- HMI/SCADA
- AVEVA Edge

Advanced Analytics

Process, Quality, Reliability, Energy

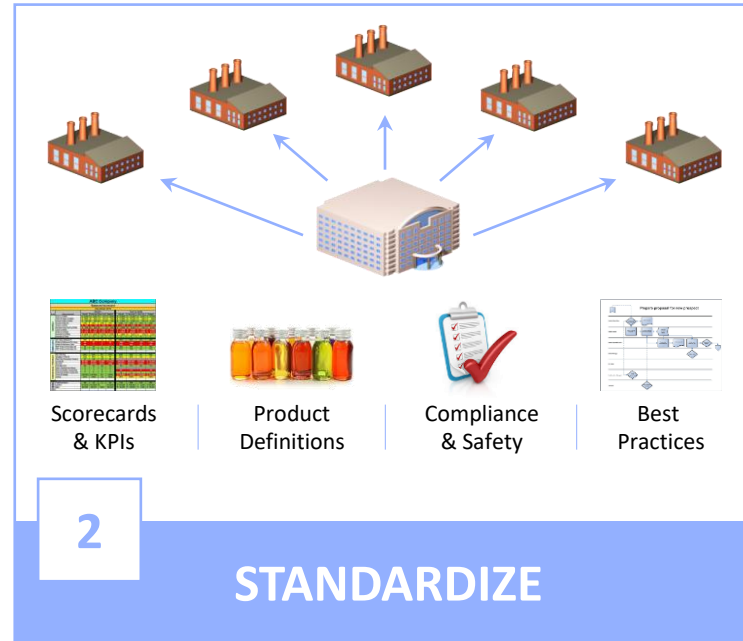
Model Driven MES

A process-based approach to manufacturing operations management

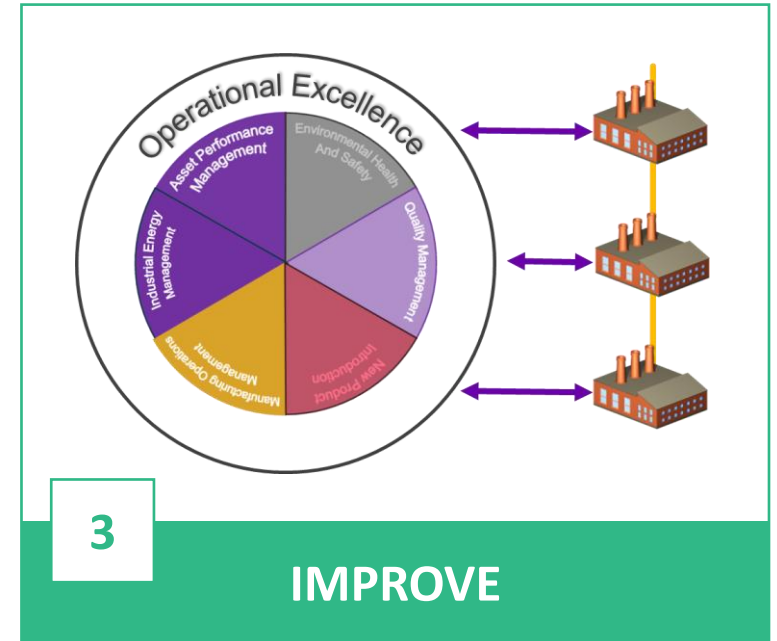


Capture manufacturing processes and collaborations and digitalize them using low code technology

Transform how work is done in the plant



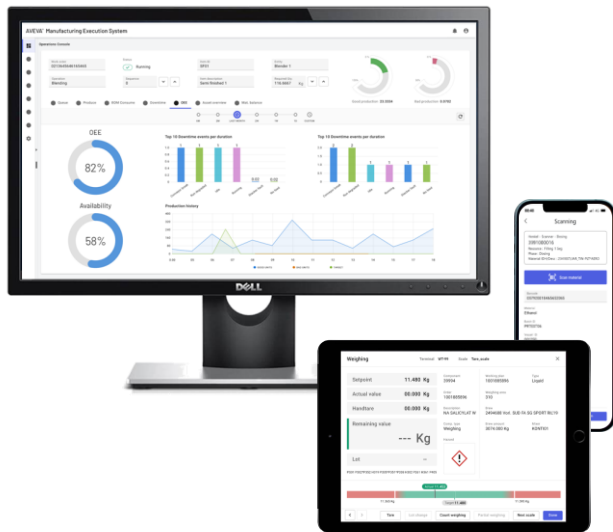
Manage best practices, KPI's, product specifications and compliance and safety data between sites



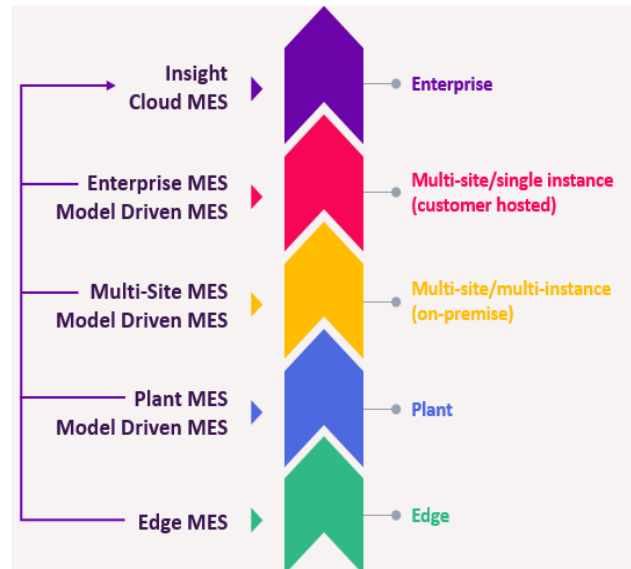
Continuous improvement of processes based on rich data collection with governed change management

Big Themes in AVEVA MES for 2022

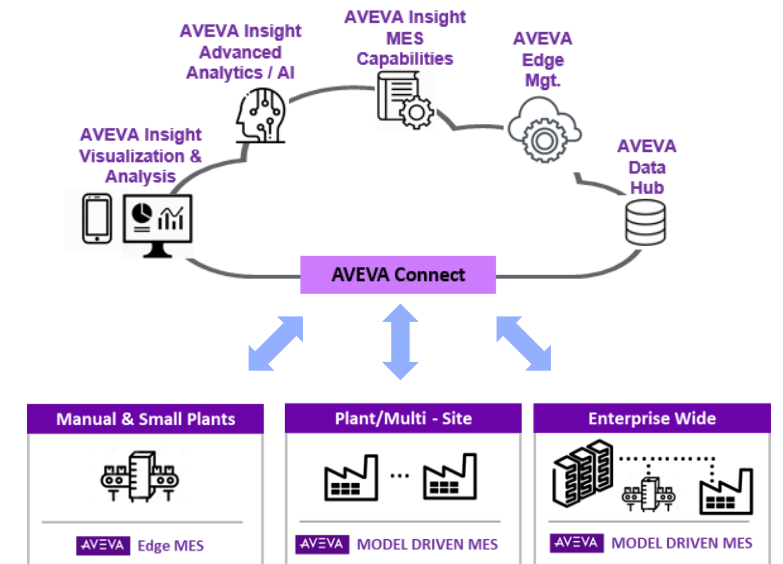
Model Driven & Extended Capabilities



Edge to Enterprise Deployment

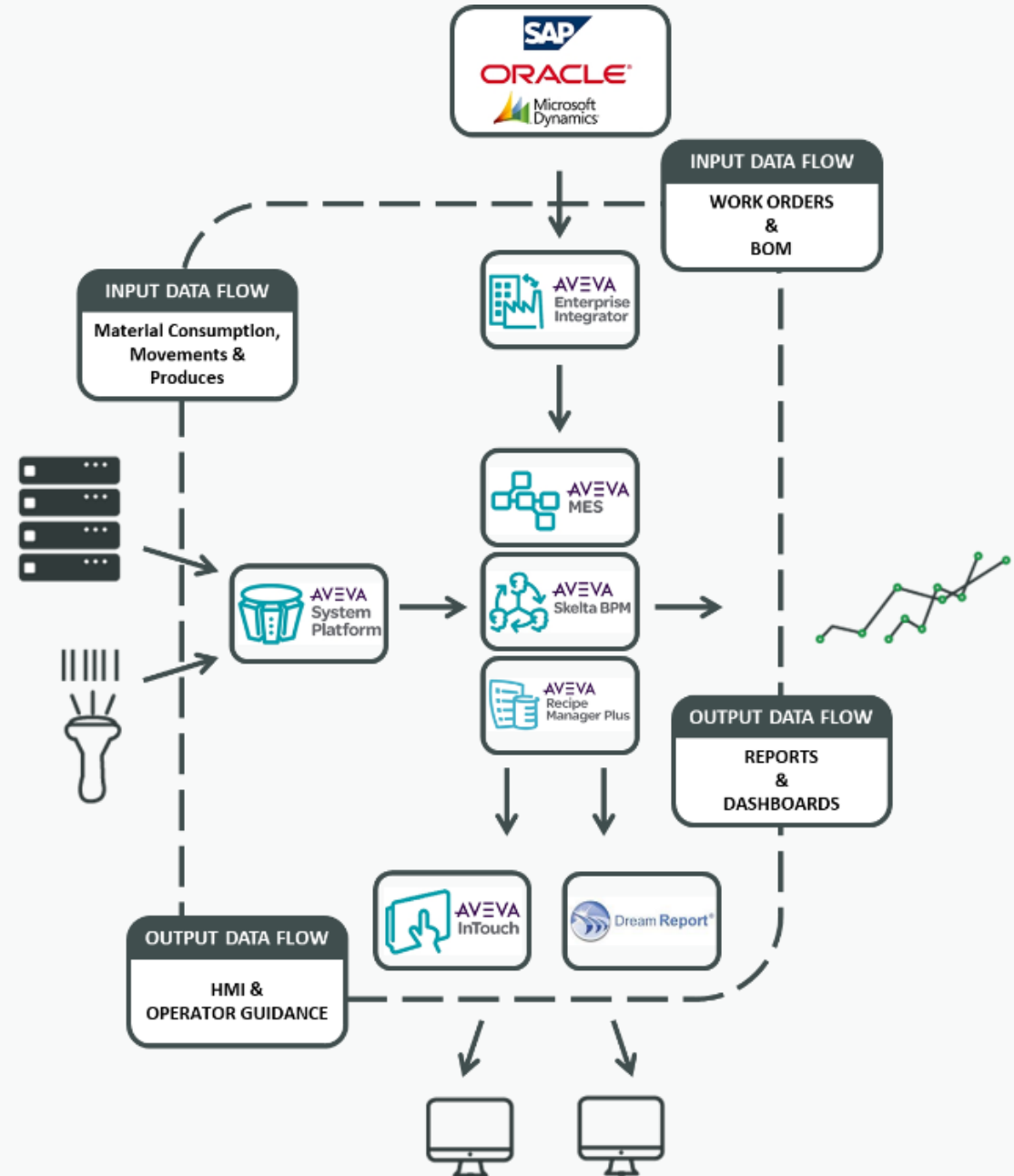


Connected MES



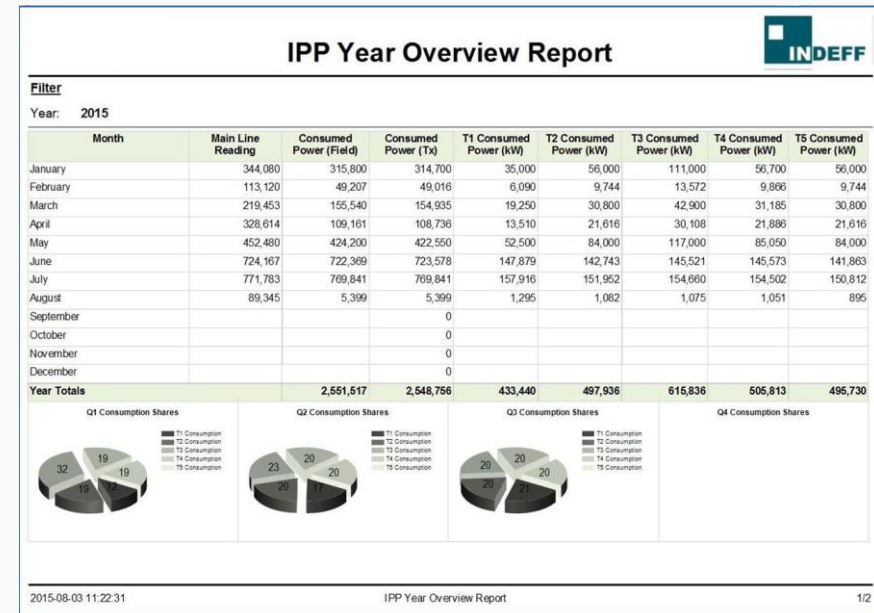
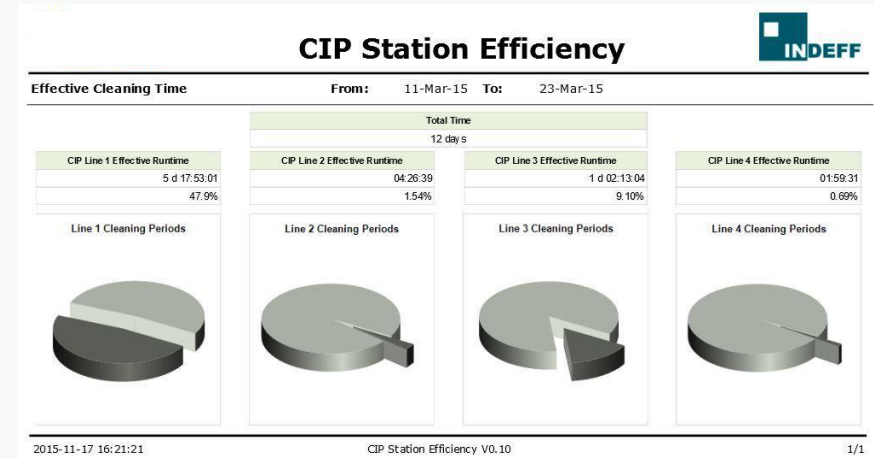
OUR MES APPROACH

- ✓ Functionalities become standard procedures
- ✓ Improved insight
- ✓ Flexibility
- ✓ Smoother Implementation
- ✓ 50 days approach

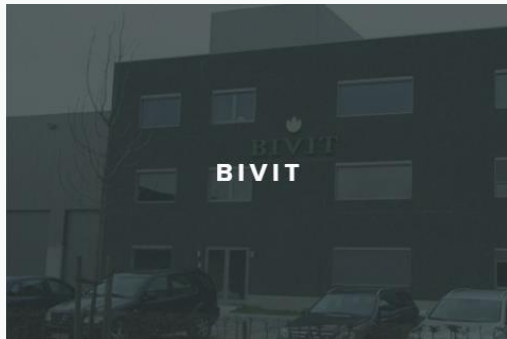
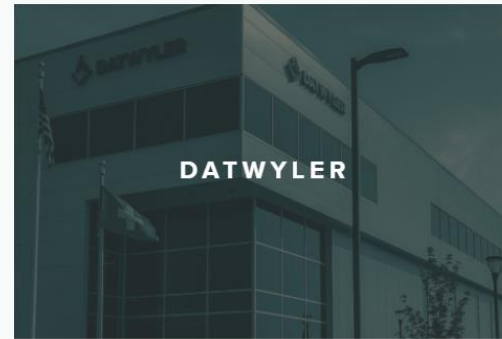


ADVANCED REPORTING

- ✓ Bringing added value by industry knowledge
- ✓ Pre-defined report templates
- ✓ Paperless Factory
- ✓ CIP Optimization
- ✓ Energy Management
- ✓



INDEFF MES SUCCESS STORIES



INDEFF CASE : BIVIT TAKING THE LONG VIEW

2 MONTHS AFTER GO LIVE – PRODUCTION VOLUME RECORD

- ✓ Optimization order workflow
- ✓ Optimization stock management
- ✓ More production with the same employees
- ✓ More production with the same assets

805/020

RESULTS FOR INDEFF

- ✓ This solution uses our standard approach
- ✓ Implementation in Dairy, Feed, and Special Chemicals
- ✓ Thailand, Belgium, Netherlands, France, and the US
- ✓ SME or Multinationals !
- ✓ 80% of the "general" requirements are covered
- ✓ 20% additional coding is needed – AVEVA portfolio
- ✓ **Ready for acceptance in 50 days**

KEEP YOUR SMART FACTORY SIMPLE

1/2

MY TWO CENTS



WHAT IS NEEDED TO MAKE YOUR MES INTEGRATION
A SUCCESS IN TODAY'S FAST EVOLVING LANDSCAPE

WHAT YOU CAN DO

- ✓ Know what you want
- ✓ Stick to the Portfolio
- ✓ Total Cost of Ownership
- ✓ Step by Step
- ✓ Allow Time for Adoption
- ✓ Commitment

IN CLOSING

THINK BIG
START SMALL
SCALE FAST

The AVEVA portfolio has you covered

Take it Step by Step

Iterative approach by working model

THANK YOU

Countless parts.
One flow.

DISCOVER OUR
NEW WEBSITE
www.indeff.com

