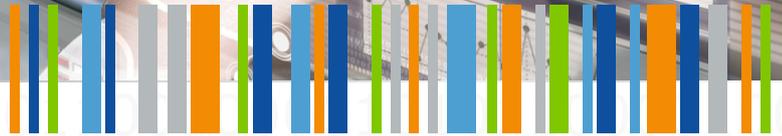


## Leading Software Solutions for Wire Harness Production



4Wire KPI Dashboard  
Key Performance Indicators

# 4Wire KPI Dashboard

## Key Performance Indicators

### Visualization of relevant production figures

Reliable figures from ongoing production are an important management control tool. The data collected in the 4Wire CAO system can be calculated both as standardized and customized figures.

The 4Wire KPI Dashboard visualizes the figures and presents them extremely clear.

### KPIs

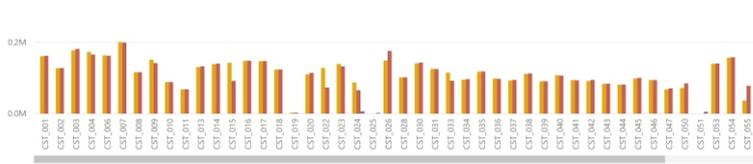
Key Performance Indicators (KPI) are process indicators used to measure the progress and degree of fulfillment of important objectives and critical success factors in wire harness production.

The ability to compare figures is a pre-requisite for measuring plant and machines with comparable charts at group level.

Di.IT DiIT Headquarter | ORDERS AND ORDER BACKLOG

8/15/2017 8/22/2017

Orders by machine



Missing machine assignment

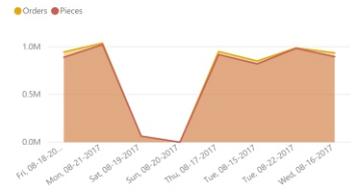
20.58K Orders

28.47M Quantity

Orders Overview

Date	CAO No	Order No	Leadset	Machine	Machine Group	Progress	Planned Production	Planned Setup	Quantity	Waste Parts	
Tue 08-15-2017	380090			L8090605	CST_061	CST_Group_05	Finished	874,200	0	4,446	0
Tue 08-15-2017	380257			L781925	CST_031	CST_Group_07	Finished	250,950	0	6,000	0
Tue 08-15-2017	380304			L7817569	CST_007	CST_Group_02	Finished	168,300	0	6,000	0
Tue 08-15-2017	380338			L7841919	CST_034	CST_Group_02	Finished	53,970	0	2,100	0
Tue 08-15-2017	380395			L742623	CST_045	CST_Group_02	Finished	114,750	0	3,600	0
Tue 08-15-2017	380412			L7324289	CST_047	CST_Group_02	Finished	139,950	0	4,500	0
Tue 08-15-2017	380413			L7904074	CST_045	CST_Group_02	Finished	508,530	0	3,000	0
Tue 08-15-2017	380485			L7901372	CST_059	CST_Group_02	Finished	23,400	0	1,200	0
Tue 08-15-2017	380525			L7430344	CST_026	CST_Group_03	Finished	153,000	0	2,700	0
<b>Total</b>							<b>607,596,970</b>	<b>0</b>	<b>17,225,137</b>	<b>58,200</b>	

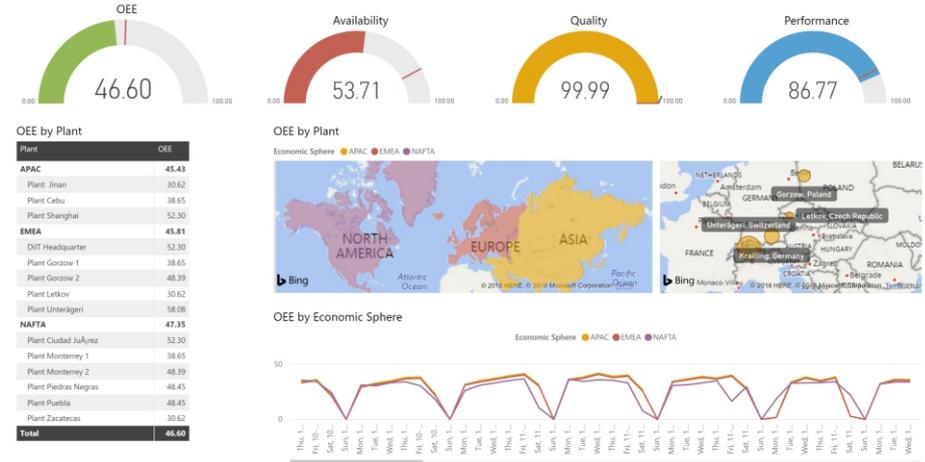
Output by Orders and Pieces



OEE overview on group level

Di.IT OVERALL EQUIPMENT EFFECTIVENESS

10/20/2016 10/27/2017

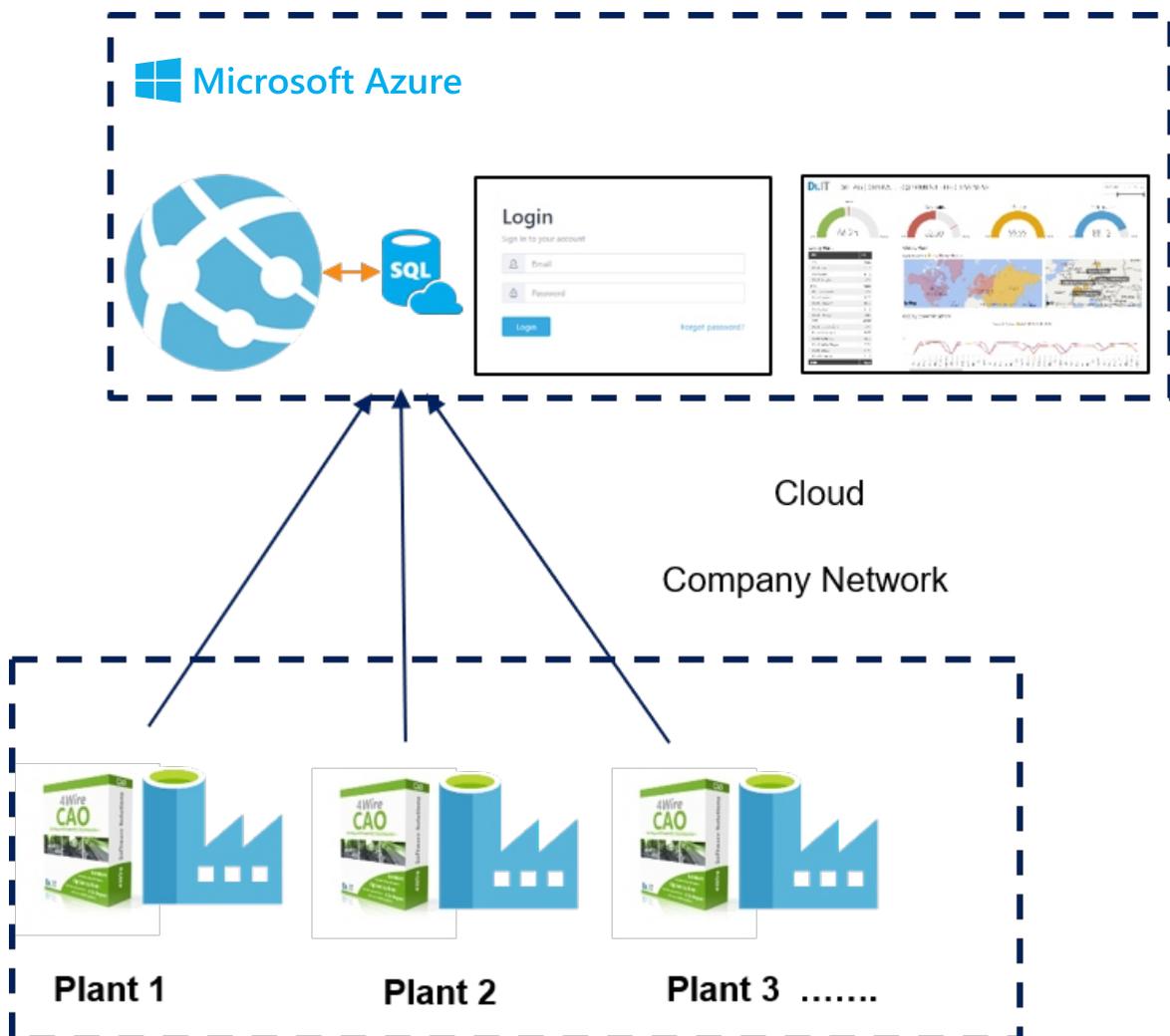


Plant orders and order backlog on plant level



# 4Wire KPI Dashboard Benefits

- Company-wide, consistent presentation of overall equipment effectiveness
- Continuous improvement based on measured production effectiveness
- Fact-based justification of process optimization and / or product investment
- Motivation of employees to improve performance
- Consistent control of production quality
- Fast and target oriented reacting on insufficient production performance
- Detection and visualization of optimization potential



System concept



## Complementary Systems

### 4Wire CAO Cutting and Assembly Optimization

The software solution 4Wire CAO is the leading manufacturing execution system for the cutting area and assembly. It is the only system, that is used worldwide and supports all languages.

The system has interfaces to machines from Schleuniger, Artos, Komax, ShinMaywa, Schäfer, Yazaki and others, that are continuously updated in close cooperation with the machine manufacturers. That is why 4Wire CAO has the latest and the largest scope of functions that can be regarded as a de facto standard.

The software solution 4Wire CAO is flexible, scalable and efficient and already successfully installed by many successful companies. Due to its modularity, 4Wire CAO is also beneficial for small and medium-size companies.

### 4Wire PLS Production and Logistics Suite

4Wire PLS is a flexible solution specially made to support customer specific wire harness production (KSK).

Production processes are complex and different in every company contrary to commercial functions, especially in wire harness production with quantity one. Therefore, 4Wire PLS functionality depends on the project at hand. There are no unnecessary, missing or convoluted functions in 4Wire PLS.

Customer specific data structures are generated automatically with no extra effort. This software technology was funded by the European Commission and has been awarded with the highest award category "excellent".

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