Smart Manufacturing Solution Portfolio

znt · Richter
Innovative Software Solutions

WE DIGITIZE, OPTIMIZE AND AUTOMATE MANUFACTURING PROCESSES OF OUR CUSTOMERS IN TIME, IN BUDGET, IN QUALITY SINCE MORE THAN 30 YEARS.

SOLUTIONS & PARTNER

Our Smart Manufacturing package combines a market leading, future-proof solution platform with a proven implementation approach:

- **MES-/MOM-Solution platform** based on Opcenter EX CR/SM/EL/MDD of Siemens Digital Industries Software

- **APS (Advanced Planning and Scheduling)** Opcenter EX Operations & Detailed Scheduling provides intelligent Advanced Planning and Scheduling as an integrated module

- **ANALYTICS** Opcenter EX Performance Analysis enables continous improvement for your manufacturing processes as an integrated module

- **PAC Process Automation Controller** PAC is a flexible and open platform for implementing equipment integration and automation

- **zSecsEqDriver** zSecsEqDriver allows you to create SECS-interfaces for your equipments which are compliant to SEMI-standards with little effort

OUR RANGE OF SERVICES

- **Smart Manufacturing Audit:** Together with you we determine the status quo of your manufacturing and provide a detailed potential analyses including specific recommended actions.

- **Future-proof:** Our solutions for your Smart Manufacturing have been listed as "leaders" in the Gartner Magic Quadrant for MES solutions.

- **Industry specific functionality:** industry specific functions for MES, APS, Material and Quality Management, Shopfloor Integration etc.

- **Partner-Network:** For the success of your project we collaborate with market leading partners such as Siemens if required.

- **Enablement-Approach:** We enable and empower your specialists to maintain and configure the solution near term.

- **Customer Satisfaction:** Based on our proven implementation methodology we realize projects in time, in budget, in quality.

Enterprise	PLM	ALM	RMS	ERP	LIMS	others	Analytics Cloud
	WebServices		Rest		SQL		MQTT

MOM

Opcenter EX CR/EL/SM/MDD

Message Bus

Process Control

Opcenter EX CR Process Automation Control — Pac...

Equipment

PLCs	Euromap	DNC	SECS/GEM	
S7, DCP, Modbus, OPC DA, OPC UA (Companion Std.)	Euromap 63 (File) Euromap 77 (OPC UA)	Fanuc, Heidenhain, Sinumeric, MTConnect	200mm and 300mm Standards PV02 for Solar	
Industrial Controller	Injection Molding	CNC-Machines	Semi Equipment	I 4.0

www.znt-richter.com