

# Plant Intelligence

## zenon Analyzer

### GOAL OF THE PROJECT

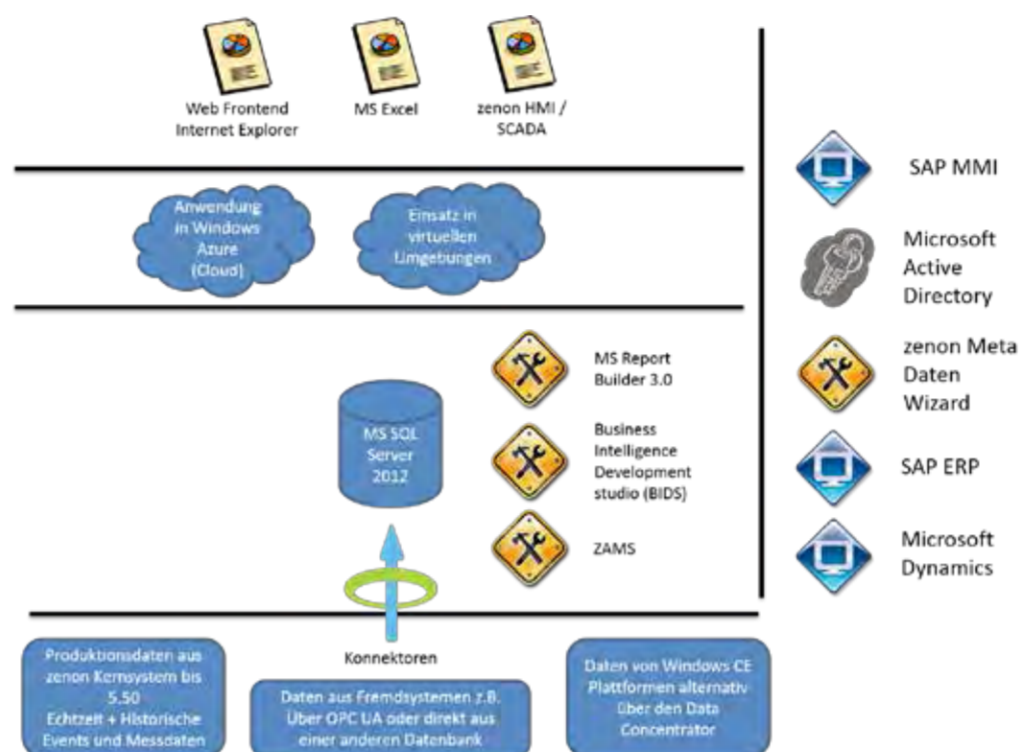
There is the need for a software product/system on the market which offers a management and controlling view of available data (production processes) and at the same time is able to make historical data available in real time. It should be able to calculate, analyze and graphically depict as many different data sources online as possible.

### STARTING POINT

At the moment individual systems are available on the market, which however only cover parts of the options. Classical MES/ERP systems do not offer any scalable solutions or rather all systems are lacking in direct connection possibilities for the production process. Realtime data can (if at all) only be integrated via indirect methods. There are also few systems (if any at all) at which can specialize in the production process, as normally there is a lack of know-how. All systems are however united in that they emphasize a global view of their evaluation. The entire value chain of a company can and is generally represented in such systems. These systems assume that data/pre-compression from production IT systems already exist. The actual focus on the production process is lost. Furthermore, it also lacks in openness and flexibility.

### PRE-CONCEPT

The concept is based on the idea, particularly in heterogeneous environments, of enabling gathered data to be compressed.



#### PROJECT OVERVIEW

##### INSTITUTION

Ing. Punzenberger COPA-DATA GmbH



##### TYPE OF PROJECT

Internal research project  
Period: 2009-2012

##### WANT TO KNOW MORE

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#### Concept Idea

### ZENON ANALYZER

The zenon Analyzer<sup>®</sup> – the final result of the internal research project is a Dynamic Production Reporting solution which is set up around the SQL Server Reporting Services. Current and historical data from the SCADA system can still be read via the connectors, without interrupting the production process. Reports including the necessary database structures can be created quickly and without manual database programming via the ZAMS and the included report templates. The zenon Analyzer differs from the traditional MES reporting approach, as it offers production data as it happens in real time, directly from the equipment source as well as historical data which is stored in a database (SQL).

