

The IIoT touchdown in process automation and revolutionizing Industrial Ethernet concepts

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Digitalization is a major trend in process industries. In this context many programs came up which tried to revolutionize the existing automation pyramid in order to solve that need. Industrie 4.0 with the NOA concept (Namur Open Architectures) or the American equivalent OPAF (Open Process Automation Forum) are two examples. The most important question is now, what is the pain which must be solved? Customers are expecting better insights into their assets to optimize the operational expenditure phase of the plant. Up to 40% savings are targeted by process industries during the operations phase of a plant. Studies have shown that even up to 70% during a maintenance job is spent with the search for information - not with the actual maintenance job. Another fact is that. Further savings are expected in getting information of the health status of the complete process. Several suppliers have introduced new products, applications and services that are the first "real world" manifestations.