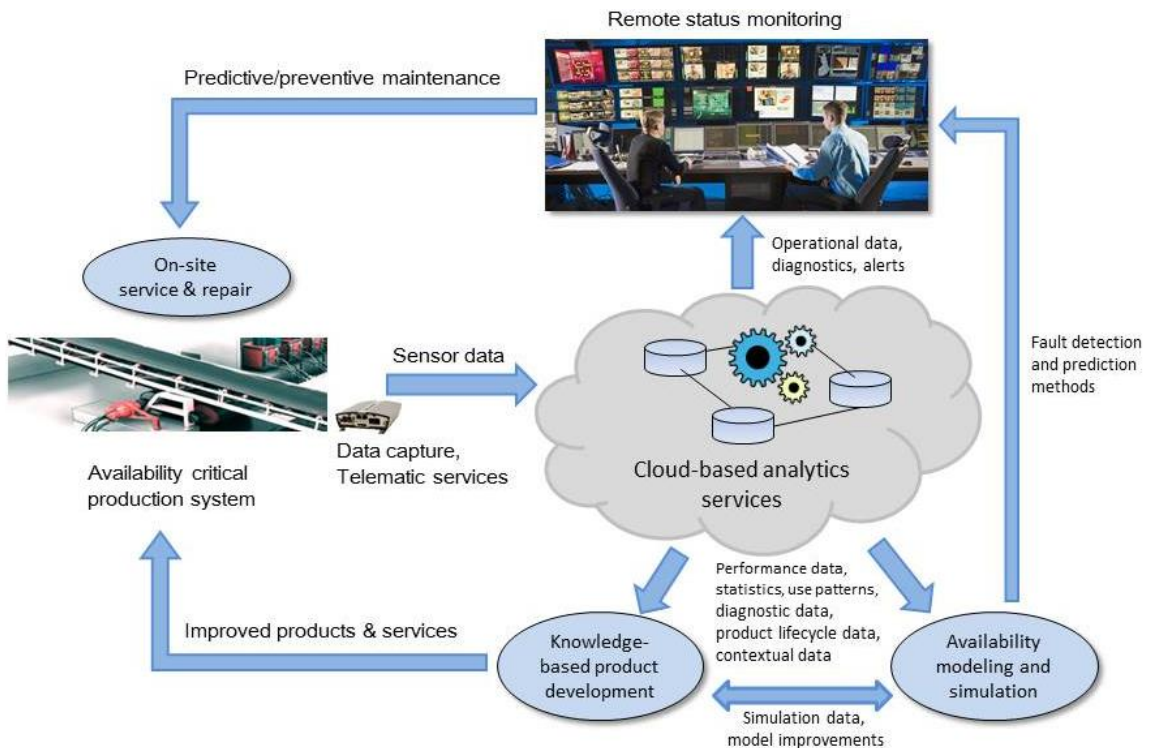


SAPPA

Service Architecture for Product and Production Availability



SAPPA framework for cloud-based availability monitoring

Abstract

The aim of the SAPPA project is to develop, test and demonstrate a cloud-based predictive and preventive maintenance system, improving availability of products and production systems, with a focus on heavy industry applications. The approach is to proactively detect deviations in behavior of products, compared to a simulation model continuously updated with real-time data captured from products in operation, using telematic services and cloud-based analytics.

The concept enables the supplier to climb the value chain, compared to traditional hardware-only product offerings, taking greater responsibility for the customers' productivity. This alters the business roles between suppliers and customers through risk and profit sharing schemes, promoting sustainability through economic incentives. The operational data collected furthermore supports knowledge driven product development, improving next generation products and reducing the time to market for new products.

Partners



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