This report offers operational historian suppliers and data platform suppliers and users a comprehensive assessment of the marketplace and provides strategic information for planning through the year 2022. The number one reason for implementing operational historians is to access and integrate process data to make better and faster data-driven process decisions.

The operational historian writes and reads streaming time series production data for both the process and discrete industries, collecting real-time process data from process control systems, sensors, equipment, and other data. The new generation operational historian supports analysis and decision-making and the digital transformation by storing data on-site, in the Cloud, in the edge, or in a data lake, for a plant, a site, or an enterprise.

Enterprise historians are becoming more prominent to compare data across plants, sites, or the enterprise. Today’s data platforms need to be able to combine data sources and integrate data from the plant and other systems such as energy data, cost information, weather, financial, social media, and other related information that is being used in operations or manufacturing.

The most important new technologies and conditions affecting the market include cloud computing, edge storage, new data platforms, embedded analytics, connectivity, data management tools, data models, and other applications.

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