



cherrywork

Advanced Metering Analytics

Business Challenge

Introduction

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Business Challenge

Distribution utilities have installed millions of smart grid devices, creating an unprecedented amount of data available for analysis. It is meter data analytics that will enable utilities to tackle the biggest problems they face today, including failing transformers, unbalanced energy generation based on imprecise forecasts, operational inefficiencies and energy theft.



Introducing Cherrywork[®] Advanced Metering Analytics

Incture's Cherrywork[®] Advanced Metering Analytics Application built on SAP Analytics Cloud Platform provides utilities with the information they need to generate new customer insights, manage and prevent outages, size distribution assets, implement preventive maintenance techniques, forecast and build predictive models for demand program planning and transmission loss.

Meter-to-Cash

It is meter data analytics that will pave the way to a more engaged – and profitable – relationship with energy consumers.



Features

Dashboard

- Advanced Metering Analytics is a unified platform, where energy consumption, supply, and loss information are available along with the budget and daily targets
- The dashboard view provides high-level visibility of the distribution network efficiency, which enables anomaly detection and better understanding of the transmission losses.

Consumption Analysis

- Consumption information captured by the smart meters is analyzed to understand the trends among various categories based on the location information and date range for customer preferences
- The consumption information is also categorized by type of consumers for deeper insights into distribution loads.



Features



Dashboard

- Advanced where information and data
- The dashboard the distribution anomalies transmission



Consumption

- Consumption meters among information preferred
- The correlation

Features

Meter Analysis

- Meter details is captured for all the smart meters and insights from trend analysis can assist business decisions
- Data can be drilled down to each meter, for e.g. based on the type of consumer including residential, commercial, or industrial
- Daily data readings from smart meters enable comprehensive understanding of the metering data trends

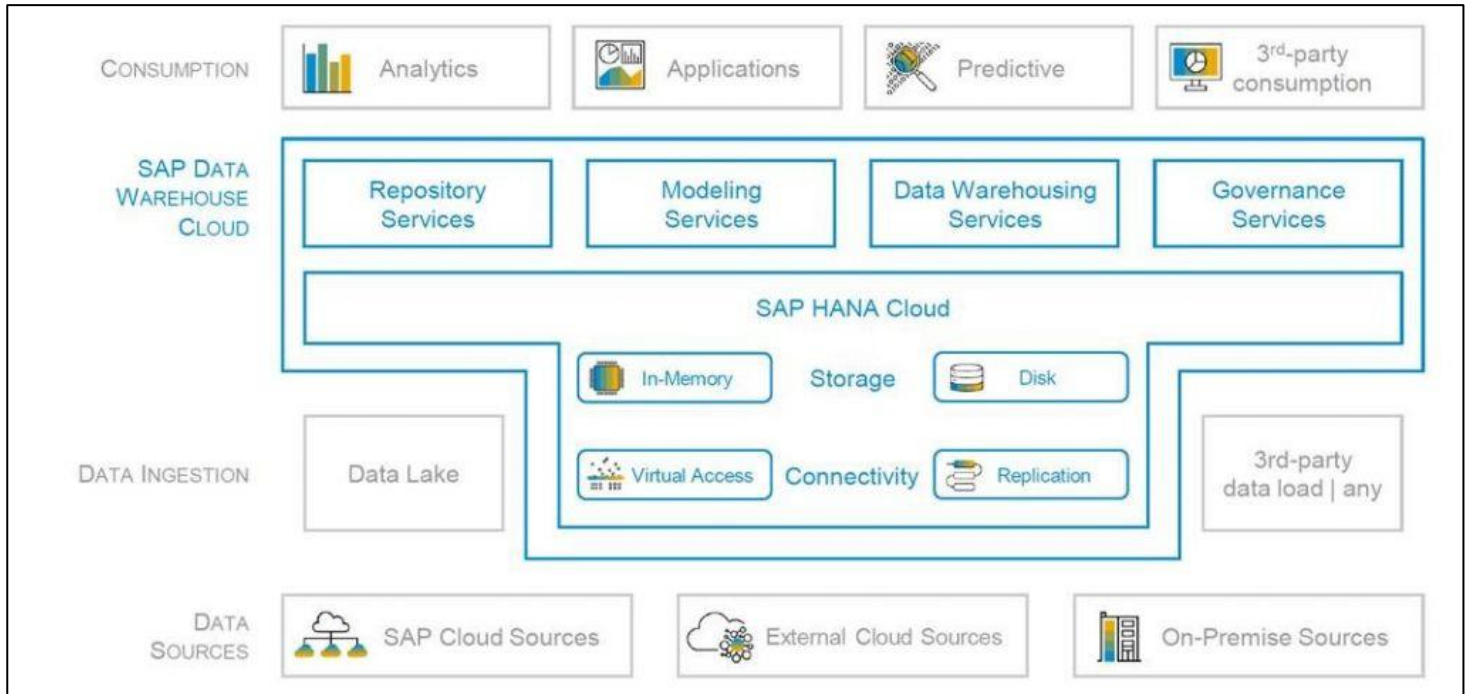
Risk Analysis

- Power outage poses the biggest risk to the electricity distribution service. This risk can be mitigated by having in-depth understanding of all the key influencers for the power outage
- Advanced Metering Analytics integrates the factors such as seasonal effects and major weather events to evaluate the risk. This helps in mitigation planning, resulting in less power outage incidents.

Forecasting

- Forecasting is one of the key business needs and is inferred from the historical data trends
- Advanced Metering Analytics helps understanding the utilities supply needs for future for better resource planning and improved customer experience

Solution Architecture



Benefits

Improved Distribution Efficiency

- Advanced Metering Analytics helps improve efficiencies of the distribution network by having better understanding of the supply and consumption gaps
- Demand forecasting capabilities ensure higher efficiencies with reduced losses

Increase in Visibility

- Consumer access to the consumption data helps increase visibility and build loyalty

Reduction in Revenue Leakages

- Better understanding of the transmission losses assist in the theft detection and reduction in revenue leaks



Benefits

Management and Prevention of Outages

- Outage events are predicted with the help of risk score by understanding various influencing factors and enabling proactive measures to reduce the outage impact
- Capturing the metering data at source helps reduce the risk in billing issues





To learn more,
visit www.incture.com

About Incture

We are a digital systems company and a community of passionate, purpose-led individuals seeking to enhance people's lives with technology. We deliver digital solutions including Cherrywork® digital applications and intelligent platforms and technologies with speed and at scale to address our customers' complex business challenges. We are one of the largest providers of Digital Applications and Technology Solutions on SAP Cloud Platform, SAP Analytics Cloud and Business Technology Platform.

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