Analytics Solutions for SAP S/4HANA & HANA Live
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Analytics Solutions for SAP

- Real-time operational reporting
- Instant insight to action
- Common platform

- All analytics use cases
- All applications & data sources
- Redefined Boardroom concept

SAP S/4HANA

On-premise

Cloud / Hybrid

Strategic Analytics

S/4HANA Embedded Analytics
SAP S/4HANA embedded analytics

Solution Overview
- SAP S/4HANA embedded analytics:
  - Delivers contextualized analytics for SAP S/4HANA embedded within the context of work and tailored to business needs and roles
  - Consists of Virtual Data Models (based on CDS Views) covering role based operational reports for lines of business
  - Comes with tools for Business Users, Power Users and Developers to analyze data and manage the lifecycle of reports and KPIs
  - Is included in the SAP S/4HANA Enterprise Management license and does not require a separate installation by customers
  - Integrates with SAP BusinessObjects BI, SAP Lumira, and SAP Cloud for Analytics all of which require a separate license
  - Does not replace SAP HANA Live, SAP Business Warehouse or any other SAP analytics offering but complements and integrates with them

*SAP S/4HANA embedded analytics

Virtual Data Models
Strategic Analytics: All Use Cases – on-premise, cloud, hybrid

SAP Cloud for Analytics

All analytics capabilities in one product
Consumer-grade user experience
Embedded and standalone
High-performance, real-time platform

Public Cloud – SaaS

Enterprise BI
SAP BusinessObjects BI Suite

Agile Visualization
SAP Lumira

Advanced Analytics
SAP Predictive Analytics

EPM
Ex. SAP Business Planning and Consolidation (BPC)

GRC
Ex. SAP Risk Management

On-premise and/or Private Cloud Deployment Options

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Predictive Maintenance for Assets and Facilities
Improved Predictive and Preventative Maintenance = Higher Reliability and Lower Costs

Problem
Utility Operations Managers are challenged with massive amounts of historical and real-time sensor data obtained from assets across Generation, Transmission & Distribution business units. The absence of analytic tools to analyze and optimize maintenance schedules and predict critical system failures on aging infrastructure challenges utility system operators to maintain asset reliability, decrease O&M costs while ensuring high levels of customer satisfaction.

Solution
In-memory technology allows system operators to evaluate massive amounts of historical and real-time sensor data across assets in generation and T&D to optimize maintenance schedules in a predictive and preventative fashion. Using this technology, operations managers can analyze patterns to predict possible failure, identify fault location using GIS data, and monitor operational performance with easy-to-use visualization tools.

Customers
Alliander
CenterPoint

Improve asset lives 10%-25%
Reduce unplanned maintenance spend 25%-50%
Reduce Capital expenditures 2%-5%

Impacts
\checkmark Expenses
\checkmark Capital utilization
\checkmark Revenues
\checkmark Satisfaction
\checkmark Risk and Compliance
SAP Smart Business Cockpits
Real-time key performance indicators and insight to action

- **Real-time insight to action** combining pre-defined and responsive analytics and transactional follow-up activities to allow better and faster decisions

- **One company wide KPI repository** to allow simple definition of KPIs, evaluations and thresholds

- Based on **SAP HANA Live** and other data sources

- Accessible from the **Fiori Launchpad**, new simplified **Design Time**

- Embeddable **SAP Lumira** content
TOP 10 BENEFITS OF SAP ANALYTICS OPTIMIZED FOR S/4HANA

1. Real Time Data Access
   Enables fast issue resolution and gets you closer to the business

2. Single Environment
   Perform your planning and actuals activities in one financial system

3. Delivered Content
   Accelerate innovation and reducing cost of implementation with out of the box functionality and ready to use

4. Responsiveness
   Closes the gap between insight and action

5. Enhanced Visualization
   Top of the line visualization capabilities using SAP Fiori and SAP BusinessObjects tools

6. Integrated Financial Planning
   Integrate your financial plans across the enterprise with a single tool for collaboration across the Finance function

7. Modern User Experience
   State-of-the-art user experience using the latest technology innovations

8. Start Today
   Start with SAP Business Planning and Consolidation today and move to S/4HANA model in the future without re-implementation

9. Harmonized Processes and Data
   Common processes across your plans and actuals leveraged in one system (consistency between plan and actual data)

10. Foundation for Finance Transformation and Innovation
    A seamless path to your finance transformation
REIMAGINE YOUR BOARDROOM FOR THE DIGITAL ECONOMY