



SBN Analytics Day

# Finance Analytics landscape transformation with SAP Analytics Cloud and SAP Data Warehouse Cloud

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# Getting to know Volvo Cars

VOLVO

## VOLVO CARS AT A GLANCE 2021



698,700  
CARS SOLD



41,000  
EMPLOYEES



SEK 282BN  
REVENUE



DEALERSHIP  
ONLINE SALES  
SUBSCRIPTION

Global presence and sales  
in over 100 countries



# We worked with Finance and Business Data Function in Gothenburg

## AMERICAS

**California**  
R&D and Design Centre

**Charleston**  
Models: S60

**New Jersey**  
Americas Headquarters

## EMEA

**Gothenburg (HQ)**  
Global Headquarters  
R&D and Design Centre Car  
Production

Models: V60, V60 Cross  
Country, V90, V90 Cross  
Country, XC60, XC90

**Ghent**  
Models: XC40, C40

## APAC

**Bangalore**  
Models: S90, XC60, XC90

**Kuala Lumpur**  
Models: S60, V60, S90, XC60,  
XC90

**Chengdu**  
Models: XC60

**Taizhou**  
Model: XC40

**Shanghai**  
APAC Headquarters  
R&D and Design Centre

**Daqing**  
Models: S60, S90



# Getting to know Cognizant

# Cognizant Global and Local in Norway


We have  
over  
**330k**  
employees globally

and  
generated  
**\$18.5B**  
in 2021

We are  
**113**  
**FORTUNE** World's most admired  
companies

**327**  
**Forbes** worlds best employers

**63**  
**Forbes** Top 100 digital companies



**Office** Located in Oslo, Stavanger,  
Stord & Kristiansand

**Since  
2005** Market Presence

**1600+** Associates, supporting  
Norwegian clients in a  
distributed model

**Capabilities** Digital Business and Technology  
Digital Business Operations  
Consulting

**Industries** Energy & Utilities  
Retail, Consumer Goods,  
Travel & Hospitality  
Banking & Financial Services  
Insurance  
Manufacturing & Logistics  
Communications & Technology

# Cognizant SAP Analytics Capabilities

**2,650+** (300+ in EU,  
1200+ extended team in  
offshore)

Trained and Certified, Cross-  
Skilled Consultants in SAP BI  
Technologies

**150+** (80+ EU)

Active Customers including  
several Fortune 500 companies

**100+**

Assets (Platforms, Solutions,  
Tools and Frameworks)

## EU Locations:

Germany, UK, Benelux,  
Switzerland, France, Spain, Italy,  
Norway, Denmark, Sweden,  
Finland

### WAREHOUSING & BIG DATA PLANNING & CONSOLIDATION

- Consulting
- Implementation
- Planning & Budgeting
- Financial Consolidation

### PLATFORM MODERNIZATION

- Upgrade
- Migration
- On-Premise to Cloud

### ADVANCED VISUALIZATION

- Predictive
- Enterprise BI
- Self-Service
- Digital Boardroom

### ENTERPRISE DATA MANAGEMENT

- Data Integration
- Data Orchestration
- Data Governance Quality

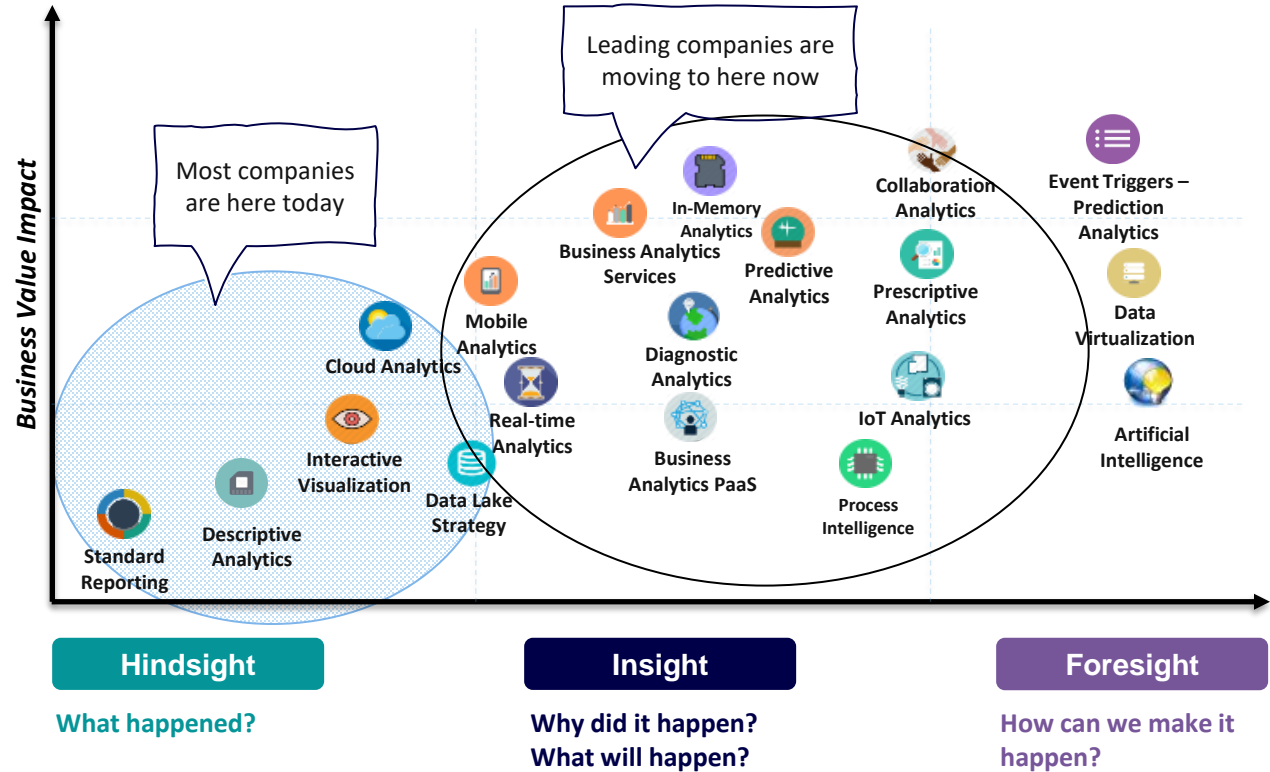


# **A need for transformation in the Finance Analytics landscape**

# Modern Analytics : New capabilities and new trends in the market

## New Aspirations

- Scalable, Flexible, and suitable for Management reporting, Operational reporting and Advanced analytics
- Increased self-service for End Users
- Real-time insight generation
- Increased automation
- Better Planning applications
- Better SAP Finance Data management
- Better data integration : On-Prem, Cloud, APIs
- Advanced analytics & machine learning



# **Planning the transformation : the journey to building a new landscape**

# The journey: enhance Analytics landscape for better business support

## > Key drivers

- New vision for company business strategy
- Increased expectations from lines of businesses and business users
- Parallel Digital Core transformations

## The Study



# The study: understand where we are and plan for a new direction



## Discover

- Understand Vision of Business and Technology Transformation
- Assess as-is People, Processes, Technology
- Outline new Analytics Capabilities and Opportunities



## Analyze

- Review Information gathered from Discovery
- Additional investigations
- Industry Research and Best Practices



## Roadmap

- Further Discussions
- Presentation of Findings and Roadmap Proposal

## Key Findings

### Existing landscape and pain points

- Data warehousing dominated by Azure Synapse
- Reporting and Analysis dominated by Power BI
- Low usage of SAP BW-on-HANA for Finance use cases
- Fair usage of SAP BPC for Product Costing
- Difficulties with remodeling SAP Finance business data in Azure : Data extraction issues, Model inconsistency issues
- Lots of Excel usage and manual data operations

### What the users want ?

- More automation, Less manual data management
- Real-time insights
- More self-service, better collaboration and sharing
- Efficient planning process supported by robust tool

### The roadmap Essentials – Embrace SAP Innovation while Building on Existing Strengths

- Transform Finance Data Warehousing with **SAP Data Warehousing Cloud with BW Bridge**
- Revamp Planning Apps with **SAP Analytics Cloud Planning**
- Increase usage of **S/4HANA Embedded Analytics**
- Move to **Advanced Analytics** with Azure platform

# The landscape transformation with SAP Analytics Cloud and SAP Data Warehouse Cloud

## Transform Finance Data Warehousing with SAP Data Warehousing Cloud with BW Bridge

## Revamp Planning Apps with SAP Analytics Cloud Planning

### Key Drivers

- Need for a **modern data warehouse platform**, with strong ability for hybrid data integration and cloud-to-cloud scenarios
- Leverage of **SAP Business content** in Finance area
- **DWC preferred to BW/4** : aligned with current (relatively low) usage of BW for Finance. Preference for consumption-based model over a traditional licensing model.

- Need for a **robust and versatile planning solution**, with solid **user experience**, and ability to deal with multiple sources of data
- Implementation of **integrated planning experience** with data shared between different LoBs
- **SAC preferred to SAP BPC** : better user experience, more strategic product, disruptive innovations

### Benefits for Business Users

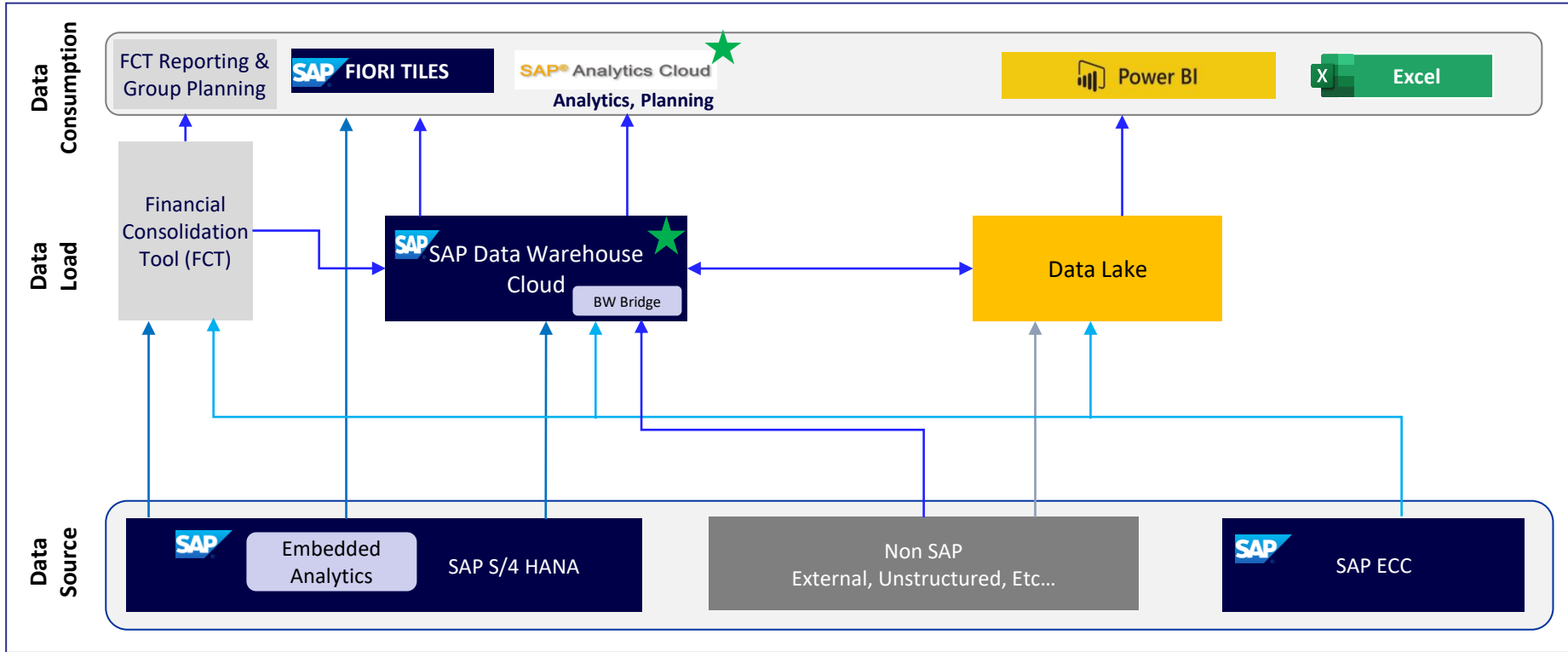
- Faster time-to-value for SAP Finance Analytics apps
- Working with multiple sources of data
- Reduction of manual activities
- **Superior planning processes**, without the hassle of excel files management

### Benefits for IS Management

- Reduced **time-to-value**
- Higher **user satisfaction**
- Optimized **license costs**, aligned with usage
- **Optimized** application developments and service operation **costs**



# The End-State Vision: Scalable & Flexible Solution Foundation



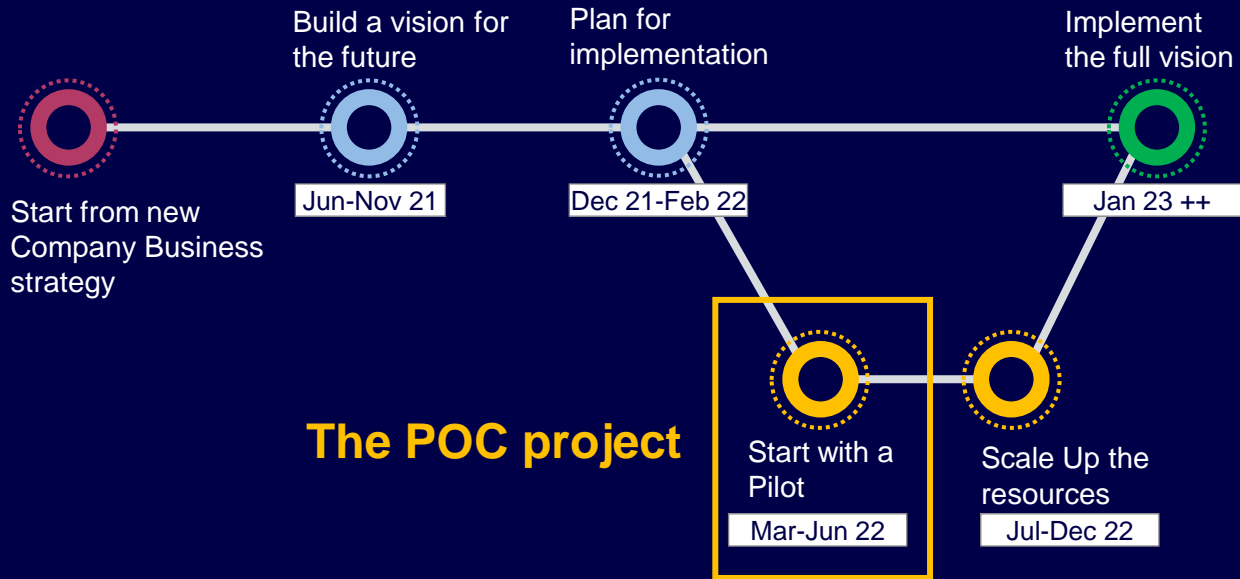
★ New systems

# Starting the transformation : the POC project

# The POC project : Validate the vision with agility

## > Key Goals

- Set up **New Architecture** based on SAP Data Warehouse Cloud (**DWC**) and SAP Analytics Cloud (**SAC**)
- Implement use cases aligned with **Business Priorities** & Requirements, and assess **Reduced Time-to-Value**
- Redefine standards of **Data Management** architecture in presence of DWC and SAC
- Plan ahead for **Full Scale Deployment**



# The POC project : Use Cases and Features under evaluation



Cost Center planning  
app with SAC



P&L planning app  
with SAC



Shell migration with  
BW Bridge

## SAP Analytics Cloud

### Planning

- **Operational Planning, Bottom-Up, Top-Down planning**
- **Value Driver Tree, Predictive forecasting**
- **Planning data write-back to S/4**
- **Planning data write-back to DWC** (SAP Q2 feature release)

### Dashboarding and Analysis (Actuals, Planning)

- **Operational Reporting & Analysis, Self-Service**
- **Predictive Analysis** (Trends analysis, What-if Analysis)
- **Analysis** with drill-through capabilities

### Data Integration

- On-Prem SAP Data Sourcing
- Live Cloud Data sourcing via DWC

## SAP Data Warehouse Cloud

### Data Warehousing with DWC Classic

- Data integration from ECC and S/4
- Data Integration from Azure Data lake
- Data federation, Remote tables, Data flows

### Data Warehousing with BW Bridge

- Data integration from ECC, S/4
- Legacy BW Application migration into BW Bridge
- SAP Business Content activation in BW Bridge

### External Data consumption

- Live data integration from DWC
- Write-back data Integration from SAC (SAP Q2 feature release)
- Data models consumption by non-SAP systems (Actual and Plan data)

# The POC Project : Highlights



## Business Users Feedback

### Excellent feedback from Business users regarding SAP Analytics Cloud

- Overall user experience for planning, reporting, analysis
- Implementation of planning process
- Smart Dashboarding capabilities
- Advanced, self-service data analysis feature



## Lessons learned and Ongoing initiatives

- **Minimum version of SAP Cloud Connector** required for BW Bridge : 2.13.1
- **S/4 → SAC data transfer performance**
  - **Medium table size test** : 100K records in 10 seconds
  - **Large table size test** : Ongoing – pending configuration of ABAP streaming feature
- **DWC → SAC live data connection** – Easy and straight forward to configure
- **DWC → SAC import data connection** – SAP roadmap item, not available yet
- **DWC connectivity setup**
  - **Several infrastructure components to install** – SAP Cloud connector, SAP Data Provisioning Agent
  - **Several configurations to perform in S/4** – SameSite cookie, ABAP streaming, RFC resources in Cloud Connector



# Thank you

