Reconcile Legacy Warehouse and SAP BW on HANA
NOVA Chemicals BI Strategy

Pinky Hajra
Leader Business Intelligence

SESSION CODE:511
Introduction - Company
Enterprise Data Warehouse History in NOVA
Legacy Enterprise Datawarehouse Architecture
Evolution of SAP Business Intelligence
Turning Point
BI Future Architecture
Pre-requisites for SAP BI Approach
Approach taken for reconciliation
Case Study
Learnings
NOVA Chemicals produces plastics and chemicals that are essential to everyday life that includes Polyethylene Resins, Polystyrene, Performance Additives.

NOVA Chemicals' world-class petrochemical and plastics sites produce billions of pounds of plastic pellets from petrochemicals, as well as a variety of co-products and energy products. Our manufacturing sites are strategically situated throughout Canada and the United States.

NOVA Chemicals works with a commitment to Responsible Care® to ensure effective health, safety, security and environmental stewardship.

- Global company headquartered in Calgary, Alberta
- U.S. Commercial Center is located in Moon Township, Pennsylvania
- European Operating Center is located in Fribourg, Switzerland
- Asian Operating Center in Shanghai, China
- Sales centers are located in the United States, Canada, Europe and Asia
- Turning Point for SAP Business Intelligence Roadmap
- Pre-requisite for SAP Business Intelligence Approach
- Approach taken to reconcile the legacy warehouse and SAP BI
Enterprise Data Warehouse History in NOVA

- **1998**: Foundation of Enterprise Data Warehouse
  - Oracle and Informatica

- **2002**: Introduction of SAP BW 3.5

- **2010**: Implementation of SAP BW 7.0
  - No SAP BW Implementation between 2002 and 2010

- **2013**: SAP BW on HANA
Legacy Architecture
Enterprise Data Warehouse

Sources
- ECC
- SCM
- Non-ECC

Stage Schema
(Oracle)

Datawarehouse
Schema
(Oracle)

Datawarehouse
Data Mart
Schema
(Oracle)

Extraction, Transformation & Loading (Informatica)

Universe

Business Objects - Deskii

Universe

Universe

Universe

Follow @ASUG365 and #ASUG2013 on Twitter
Evolution of SAP Business Intelligence with HANA

2002
SAP BW 3.5 implementation for Emission Management

2010
SAP BW 7.0 implementation of SCM module

2011
- Stop enhancement in legacy warehouse.
- Implementation of PLM module

2012
- Legacy warehouse migration project entered in BI portfolio
- Implementation of RDS solution for CRM, HANA and Mobility CRM

2013
- Upgrade to SAP BW 7.3
- SAP BW on HANA

Turning Point
- Do business by leveraging Big Data insights
- Desire of real time data by business
- Complete and integrated BI stack from one vendor
- Unlock the power of data across the enterprise
- Preserve BW Investment without disruption
Pre-requisite for SAP Business Intelligence Approach

- Business processes defined with clear ownership and direction of the requirements by the business
- Stakeholders fully engaged
- Required skill set within the team
- Sufficient budget – operating and capital included in the portfolio
- Infrastructure is ready in terms of hardware and software
- Security set up in all the environments
- HANA sizing exercise
Legacy warehouse migration project planned

Limit or stop enhancing new development in legacy warehouse

Communication to the stakeholders about BI strategy and roadmap

Include migration portion in new projects if possible
Case Study - CRM HANA Implementation

**PHASE 0**
- CRM RDS implementation of BI Configuration and SAP CRM operational reporting with SAP In-Memory Appliance

**PHASE 1**
- BW 7.0 Upgrade to 7.31
- BW on HANA migration
- Legacy warehouse implementation for Sales and Marketing—agile approach
- CRM Operational Reporting
Technical Configuration check of Business Objects Enterprise 4.0.2 Environments

Connection to HANA from Business Objects

Technical documentation for the activities listed above

Five canned reports from HANA RDS models-Crystal, Explorer, Dashboard, Webi
Case Study - CRM HANA Implementation

Scope of Phase 1

Priority 1
Current capability needs to be replaced

Priority 2
New Requirements

Priority 3
Secondary Requirements
Case Study - CRM HANA Implementation
Interlocking Ideas of the Project – Phase 1

1. Implement the existing reports from legacy system

2. Operational reporting

3. Roll-out for 2013 in B.O 4.0 – Dashboard, Webi and OLAP Analysis

Follow @ASUG365 and #ASUG2013 on Twitter
Case Study - CRM HANA Implementation
Issues and Challenges

- Dependency on Infrastructure and CRM ECC team
- SAP BW co-existence with native HANA availability
- Learning curve for new technologies – HANA, B.O 4.0
- HANA governance
- Security setup for Business Objects 4.0
- Security setup for HANA 1.0
- Migration from Deski to Webi
  - All functions don’t convert to Webi
  - Recommend starting with new reports in Webi
NOVA’s Accomplishments

- Implementation of Product Lifecycle Management and Supply Chain management in SAP BW that’s leads to decommission of that function in legacy warehouse

- RDS Implementation for CRM, RDS HANA and Mobility

- Configuration of Business Objects Enterprise 4.0.2 Environments

- Connection to HANA from Business Objects

- SAP BW upgrade to 7.3

- SAP BW migration on HANA from Oracle
Benefits of Reconciliation

Tangible Benefits

- Software license
- Internal labor
- Hardware support or maintenance

In-Tangible Benefits

- Management/monitoring of software, Database Administration labor, Future upgrade/release
- Integrated view of the business being data on a single system
- Real-time solutions for business problems with HANA
- Big data analytics – better technology, more insight for the next generation of business applications
- Utilization of Internal labor skill set for development in new tools instead of on-going support of legacy warehouse
- Structure of BW
- In-line with SAP roadmap
• Strategy ‘buy-in’ of Management and Stakeholders is essential

• Honest and open communication is critical to the success

• Technology migrations is a marathon with a general course

• Technology can influence strategies
Thank you for participating.

Please remember to complete and return your evaluation form following this session.

SESSION CODE: 511