

# EPBCS Integration & Automation Excellence at InvenSense, a TDK group company

Finance Transformation Re-Imagined  
**ICE Cloud**



## Business Objective

InvenSense, a TDK group company, wanted to improve their planning capabilities for their Financials, Sales, Workforce and Manufacturing processes. Furthermore, a major goal was to improve data management capabilities in order to expedite the delivery of corporate planning and forecasting requirements. The company choose Oracle EPM Cloud for their Planning and Budgeting needs.

## Data Management Challenges in the Existing Environment

Prior to implementing Oracle EPM Cloud—Enterprise Planning (EPBCS), InvenSense was using Planful (also known as Host Analytics). The workload for preparing a new planning or forecasting cycle took days and involved dedication from several key FP&A resources. Data preparation has been a time-consuming challenge for the team due to the number of source systems which all required reformatting, mapping and manual data entry.

The Finance team was relying on data from the following applications:

- Oracle General Ledger
- Oracle CX Sales (SalesCloud)
- Oracle Order Management subledger
- ADP Workforce Now
- Oracle Manufacturing subledger
- Taleo
- Hyperion Financial Management (HFM)
- Planful (aka Host Analytics)





## Envisioning a new Planning Process with Oracle EPBCS

The Finance team went through several iterations with different vendors and finally chose Oracle Enterprise Planning (EPBCS). Then they identified their planning requirements and made a very important decision: they would be able to increase their efficiency by at least 50% by seamlessly integrating their source data and automating formatting and mapping requirements. This would allow them to simplify the data preparation efforts of the following datasets:

- GL Balances, Billings and Backlog information, OCOGS details and FX rates from Oracle E-Business Suite R12
- Sales forecast data which is available in real-time from Oracle CX Sales
- Employee and payroll information for detailed Workforce planning as well as Headcount information for Financials from ADP Workforce Now
- Job Requisitions to associate with To Be Hired positions from Taleo
- Existing plan and forecast data from Planful (aka Host Analytics)



## Data Integration Solution Design

With the number of source systems and the expected changes to metadata (for primary hierarchies as well as alternate rollups), InvenSense realized more than 50% time and cost savings by implementing integration and automation processes. The goal was to load data from the various sources via the push of a button and automatically add any new members to the hierarchies.

## Solution Highlights

- Seamless integration of 22 data sources in less than 4 months
- Metadata builds are fully automated across 8 frequently changing dimensions including alternate hierarchies
- All integrations interface directly with EPBCS' Essbase databases, bypassing Data Management for better performance, faster implementation and much greater ease of use. ICE Cloud does it with ease, leveraging its powerful "Application Intelligence" adapters for Oracle EPM Cloud
- All integrations are code free, easy to understand, analyze and debug, and can be launched by any business user with the click of a button - whether they are using their laptop or a mobile device
- Not a single line of code was required (except SQL for extracts and simplified configuration of variables)
- For performance reasons, a long running calculation script was broken into smaller chunks to be run in parallel. The administrator can manage and keep track of the execution status of each individual processes via an intuitive interface
- Any changes to the integration and automation tasks are tracked and can be reviewed or rolled back as needed
- Migrations between environments require nothing more than the click of a button



**Shahab Muhammad**

Sr Director, Information Systems

*"With the click of a button our users are able to seamlessly integrate data and metadata from all of our source systems into EPBCS. ICE Cloud reduces our monthly efforts for data preparation and manual tasks by 50%. The platform has proven to be so easy and flexible for automating our processes that we decided to use it as our enterprise-wide integration platform."*



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