Fusion Data Intelligence (FDI) – SCM Analytics and Manufacturing Analytics

AppsAccelerate

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Oracle's Fusion Data Intelligence (FDI) SCM Analytics provides greater insight into Supply Chain processes and includes some limited analytics related to Manufacturing. Many customers are finding it beneficial to enhance the out-of-the-box capabilities of SCM Analytics with customized extensions for Manufacturing Analytics. Apps Associates is a global leader in the implementation and customization of Fusion Data Intelligence with over 20 deployments of FDI to date. We can help your company not only quickly deploy FDI SCM Analytics but also extend and customize it to include the most important aspects of Manufacturing Analytics for your company. Please contact for more information and a complimentary 30 minute consultation.

Scope for SCM Analytics Out of the Box

- Activate and Provision Oracle FDI instance(s)
- Create and associate users and groups (IDCS)
- Configure security rules
- Validate Cloud SCM parameters for FDI KPI's
- Review, Explain, Validate OOTB Manufacturing Analytics (Work Orders, Resources Materials)
- Configure Oracle FDI and data pipeline
- Load FDI; validate KPI's, metrics, reports with Fusion Cloud applications data
- Execute production go-live of FDI
- Training and Knowledge Transition

Services for Manufacturing Analytics Extensions

- Requirements for Manufacturing Analytics
- Data Source Analysis for Manufacturing data
- Gap Analysis vs OOTB SCM Analytics
- Architecture, data pipeline and calculation design for Manufacturing Analytics
- Effort Estimation for Required customizations and extensions
- Integration of external data sources for Manufacturing data
- Integration of Oracle Cloud SCM DFF's into FDI

- Loading of historical Manufacturing data into FDI
- Design and development of custom KPI's, reports and dashboards
- Integration of all custom artifacts for Manufacturing Analytics with OOTB SCM Analytics
- Validation of KPI's, metrics, reports and dashboards
- Conduct User Acceptance Testing
- Execute production go-live with FDI
- Training and Knowledge Transition on customizations and extensions

Business Benefits – FDI for SCM and Manufacturing Analytics

- Single integrated data platform for all Supply Chain and Manufacturing data
- Easier to enforce standards, validate data and deliver trusted analytics to end users
- Reusability of critical dimensions
- Greater business insights – faster reactions and decision making
- End to end visibility across Supply Chain and Manufacturing
- Increased operational efficiency
- Data becomes 'AI ready'
- Easier to develop game-changing AI/ML applications and predictive models
- Better and more informed strategic planning
- Better production performance
- Reduced cost and reduced risk
- Better Regulatory compliance

Common Areas for Manufacturing Analytics Extensions

Quality Analytics:
- Defect rates and types
- Quality inspection results
- Root Cause analysis
- Customer Returns/Complaints

Maintenance Analytics:
- Equipment downtime
- Mean Time Between Failures (MTBF)
- Mean Time to Repair (MTTR)
- Repair Costs

Sustainability Analytics:
- Energy Consumption
- Carbon Footprint
- Water Usage
- Waste Management

Safety and Compliance:
- Incident Rates
- Near misses
- Safety Audit results
- Regulatory Compliance

Demand and Forecast Analytics:
- Forecast Accuracy metrics
- Demand Patterns/Seasonality
- Sales vs Production Capacity Alignment
- Repair Costs

Material Planning
- MRP Accuracy
- Inventory Levels vs Plan
- Lead Time Performance
- Safety Stock Levels