Search PDM

- Search PDM deployment update
- Demo Search PDM
- Search and Data Analytics linked together
- Next Steps
Search PDM: Objectives

Search based
Easy to use
Simple
intuitive
Self-Service Analytics

Achieve savings similar to Microsoft…

4 to 1 growth
95% productivity improvement
90% user satisfaction improvement
Reuse
Reduced training
Search PDM: Unified Platform
6 programs (H47, V22, TX, C17, PAR, & 777X)

7.8 million objects

235.8 million searchable attributes

530.4 million attributes for self service analytics

Over 4,000+ users
Search PDM: Support Roles / Skills and Architecture

Global Product Data Interoperability Summit | 2017

- **CH47 Search**
  - 10 Weeks to deploy December 2014
  - Tc Role / Users
  - Attributes
  - Security

- **TX Search**
  - 4 Weeks to deploy June 2015
  - Tc Role / Users
  - Attributes
  - Security

- **C17 Search**
  - 7 Weeks to deploy July 2016
  - Tc Role / Users
  - Attributes
  - Security

- **PAR Search**
  - 2 Weeks to deploy February 2017
  - Tc Role / Users
  - Attributes
  - Security

- **777x Search**
  - 3 Weeks to deploy June 2017
  - Tc Role / Users
  - Attributes
  - Security

- **SharePoint Farm 2013**

- **IPDM Teamcenter**
  - Attributes
  - BOM, Objects

- **SharePoint Site H47**
- **SharePoint Site TX**
- **SharePoint Site C17**
- **SharePoint Site PAR**
- **SharePoint Site 777X**
Search PDM: Technology Stack

File System

- Extraction service pulls data from FS and converts to SQL data
- Batch process saves XML output on local file system

Windows Service

- Service executes batch process to extract Tc data
- Service pushes data into SQL
- Pulls attributes and relationship data from Tc

TcExtract.exe

SharePoint Farm

- Silverlight UI
- Crawl Services
- Indexing Services
- Query SSA
- Content SSA
- Query SSA
- BCS Connector
- SharePoint search queries indexes & crawls via BCS content source

Other Systems

Search PDM: Technology Stack
Search PDM: Demo
Search and Data Analytics linked together

Forbes
Top 10 Technology Trends 2015
1. IoT and Smart Home Tech.
2. AR & VR
3. Machine Learning
4. Automation
5. Humanized Big Data

IT Business Edge
1. AI and Advance Machine Learning
2. Intelligent Apps

Gartner
1. AI & Advanced Machine Learning
2. Intelligent Apps (Advanced Analytics)

Deloitte
1. IT unbounded
2. Dark Analytics

Analytics is in everyone's top 5 Technology Trends
Search PDM: Self-Service Analytics

Incremental, Change, Manufacturing, & Release Metrics

Automatic Incremental Synchronization
Millions of attributes
Hourly Teamcenter updates

Largest Model contains 156 million attributes in EXCEL

Teamcenter IPDM
SQL Server
PowerPivot
Excel

SharePoint

Incremental Items by Month - 2015
Item Types - V22
V22 Items Master - Released by Year
Next Steps:

- BOM Analytics
- Power BI Microsoft
- Pivot Viewer
- Search Based applications
Thanks…

Special thanks to our Accenture partner…