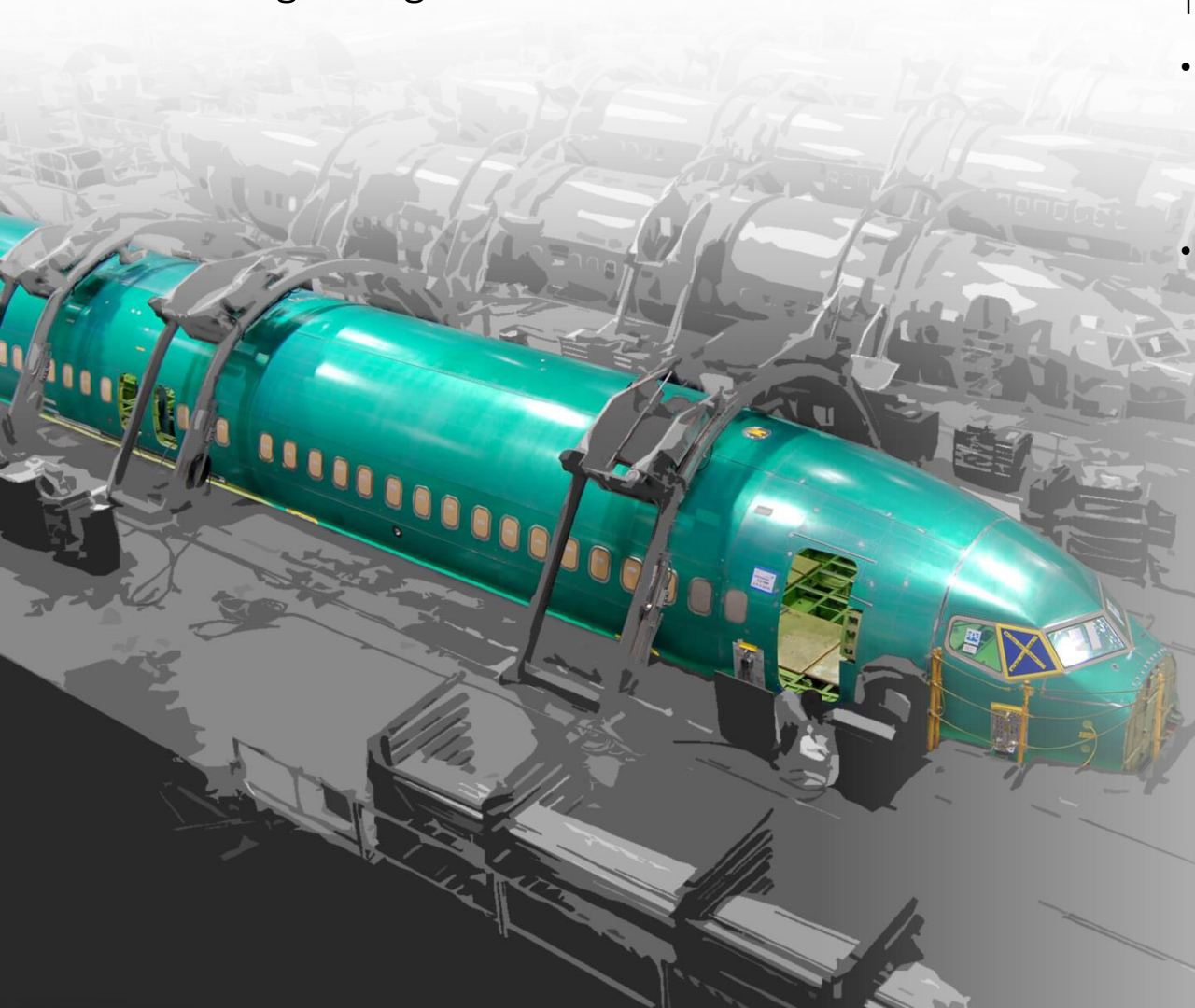# SPIRIT AEROSYSTEMS

Where Flight Begins

Project: Synchronize Teamcenter with Prime's Teamcenter and with SAP

The Business Challenges

- Keeping the SPIRIT Teamcenter In synch with the Prime's Teamcenter
    - Commercial Part, Raw Material, Components and Assembly Parts, Assembly BOM, Technical documents, Engineering change, CAD Models and data sets need to be kept in Synch

- Synchronize SPIRIT Teamcenter data with SAP
    - Following information needs to be synchronized
        - Document Information Records ('DIR' - Parts List, Drawing Picture sheets, CAD Files, Customer specifications), Classification on Document
        - Material Masters (Commercial, Raw Material and Components)
        - Material BOMs (Components and Assembly BOM)
        - Effectivity on BOM/Variant Configuration/Object dependency
        - Engineering Change Masters
        - Production Order link to Document Notes

Benefits of eQube DaaS platform

- Seamless integration of various workflows spread across Teamcenter and SAP to orchestrate a business process from receiving the hand-off package from the Prime to updating the data in SPIRIT Teamcenter and SAP

- Code-less last-mile connectivity to systems using COTS eQube connectors

Features

- Data Transfer process automatically initiated once Prime's hand off package is available in a shared file location.

- Creating/updating various structures in Teamcenter and SAP

- Creating Effectivity on BOM/Variant Configuration/Object dependency

- eQube SAP Connector was used to fetch SAP data

  - eQube SAP Connector leverages BAPIs, IDOCs, or OData services

eQ Process

- eQ Products used: eQube-MI and eQube-TM

- eQube Connectors used: Teamcenter, SAP ECC6, and Files

- Model driven integration approach

SAP

eQube-MI Digital Backbone

Folders
Excels, CAD files, Text files and Data sets

TEAMCENTER