Lockheed Martin Builds Future-State Architecture and Roadmap
Frank Ellison, Lockheed Martin
Amrish Patel, Enterprise Architect, SAP America
Session ID 83509

May 7 – 9, 2019

About the Speakers

Frank Ellison

- SAP Program Manager, Lockheed Martin]
- 30+ years in IT working large project implementations across the LM landscape
- Big University of Texas Longhorn fan and owns a pet Longhorn named Major!

Amrish Patel

- Enterprise Architect, SAP America
- 23+ years of IT/ SAP consulting experience in A&D, Utilities and CPG industries with large enterprises
- Trekked to 19,600 ft in the Himalayas!

Key Outcomes/Objectives

1. Get an overview of Lockheed Martin's digital transformation program

2. Understand the process of building future state architecture and transformation roadmap

3. Get an overview of tools and services available to define future state architecture and roadmap

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Agenda

- Overview of Lockheed Martin Corporation
- Current state overview
- Scope of Digital Transformation Program
- Defining future state of ERP and roadmap:
  - Future state options
  - Tools and services to analyze current state and build transformation roadmap

Lockheed Martin Corporation - Who Are We?

LOCKHEED MARTIN

Your Mission is Ours.

Headquartered in Bethesda, Maryland, Lockheed Martin is a worldwide global security, aerospace and information technology company that is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services

Aeronautics	Missiles and Fire Control	Rotary and Mission Systems	Space
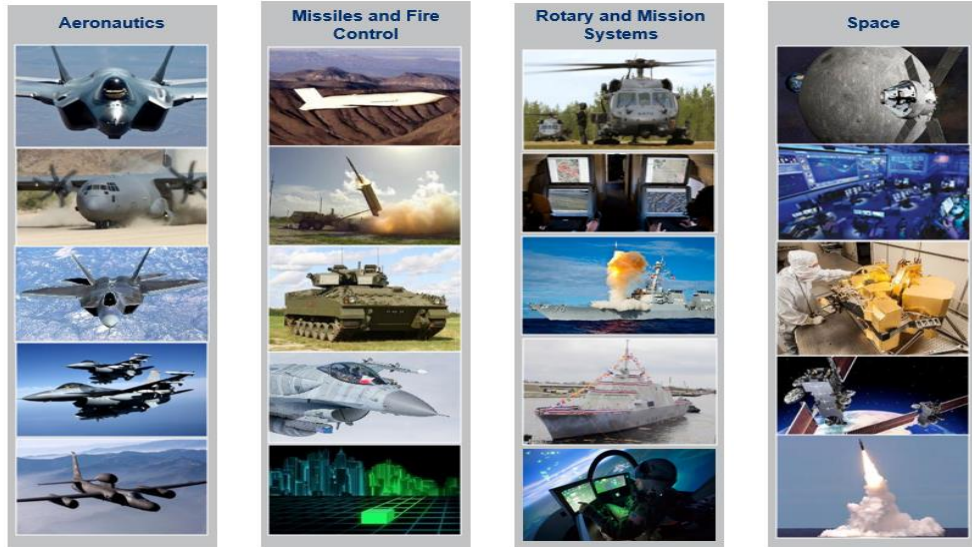
LM International - Cross Business Capability Integration

105,000 Employees

54,000 Scientists and Engineers

375+ Facilities Worldwide

Operating in over **54** Countries

With **7,500+** Employees

- **2018 Sales:** $53.8 Billion
- **Backlog:** $130.5 Billion
- **Stock Ticker Symbol**
  - LMT, on the New York Stock Exchange.
 - Ranked 59th on the *2018 Fortune 500* list industrial corporations

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About SAP at Lockheed Martin

	Aeronautics	Rotary & Mission Systems	Missiles and Fire Control	Space	Enterprise Operations	International
Finance	✓	✓	✓	✓	✓	✓
Operations	✓	✓	✓	✓	✓	✓
Procurement	✓	✓	✓	✓	✓	✓
Analytics	✓	✓	✓	✓		✓
Learning	✓	✓	✓	✓	✓	✓

- 20+ Years experience with SAP applications
- Wide variety of SAP components deployed: ECC, S/4 (Central Finance), HANA, Portal, PI/XI, BW, GRC, IDM, BOBJ +
- Early HANA Adopter (2011)
- Deployment models: Primarily on premise with some SaaS and IaaS

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Scope of Digital Transformation...

Engineering

Sustainment

Supply Chain Management
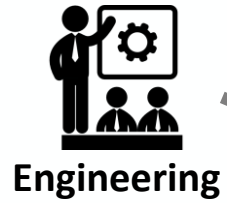
Product Lifecycle Management Systems

Enterprise Resource Planning Systems

Manufacturing Execution Systems

Human Resource Management Systems

Production Operations

All Employees

Human Resources Management

Defining the future…

Business Requirements

Current State

Decision Space

Technology Roadmap

Reference Architecture

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Future state options

1 In-place technical conversion

2 Brownfield conversion with instance consolidation

3 Greenfield template with some instance consolidation

4 Single instance

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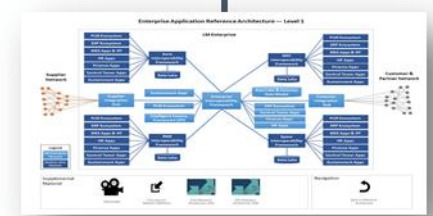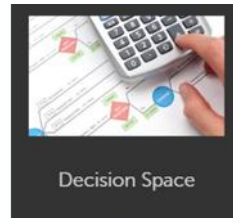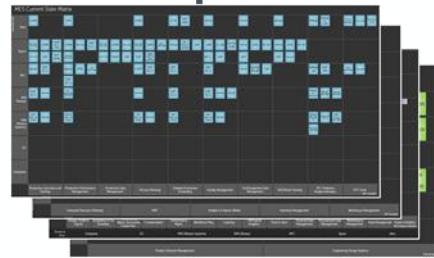
Designing the Target Enterprise Architecture
Relevant Information Elements and supporting SAP tools

Drives → **Impacts**

Level 0

Strategy View

Strategy on sap.com

SCN – SAP Business Trends

Transformation Navigator

Level 1

Capability View

Solution Explorer

Level 2

Software View

Innovation Discovery

SAP Help

SAP Service Marketplace

Platform Availability Matrix

Level 3

Installation View

Installation & Upgrade Guides

Software Download Center

Maintenance Planner

SAP Enterprise Architecture Explorer

SAP PowerDesigner

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SAP Tools and Services

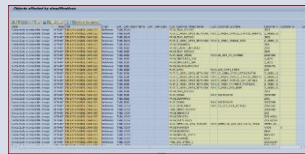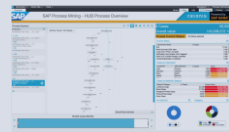**Simplification List/DB**
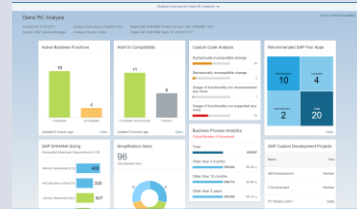
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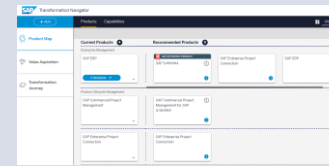
Transformation Nav
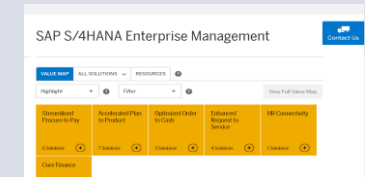
Solution Explorer

Custom Code Analysis
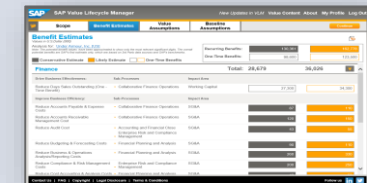
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STAR +

Brand Guardian
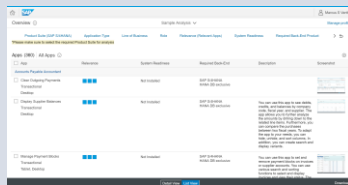
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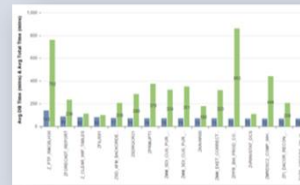
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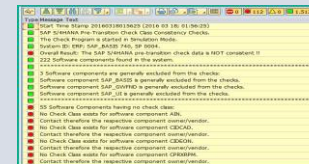
Pre-Checks

VLM

Pathfinder

Innovation Discovery

Maintenance Planner

Value Advisor

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Presentation Materials

Access the slides from 2019 ASUG Annual Conference here:
http://info.asug.com/2019-ac-slides

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Q&A

For questions after this session, contact us at frank.w.ellison@lmco.com and amrish.patel@sap.com

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