SAR Asset Management Strategy

Session 6A (Asset Management Strategy Implementation)

Khalid Alsultan
Saudi Railway Company (SAR)
Saudi Railway Company (SAR)
Introduction

• SARs approach to Asset Management is evolving
  • 1st Version of Policy published in 2017
  • Commenced build a business wide Enterprise Asset management System (MAXIMO/ORACLE) is currently being adopted.
  • End to end Asset Management Plans now being adopted for capital investment projects
Policy & Strategic Asset Management Plan

• The **Asset Management Policy** sets out Principles and Requirements that will be applied to ensure assets are managed in a way that contributes towards optimally delivering Stakeholder’s expected outputs.

• The **Strategic Asset Management Plan** sets out high level asset management objectives and defines what needs to be done to deliver the Policy and further develop Asset Management capabilities.

(ISO 55000)
Key Elements of Asset Management System (ISO 55000)

- SAR Asset Management Policy
- SAR Strategic Asset Management Plan
- SAR Asset Policies
- MAXIMO / ORACLE
- Standards & Procedures
- Asset Management Excellence Model
Implementation Benefits

- Assets Ownership Costs:
  - O&M sees: Maximizing the use of trains, tracks, railway technologies, S&C units, etc.
  - Engineering sees: Development and Support of assets
  - Finance sees: financial efficiency
Implementation Factors

• Structured Program
• Service Levels Optimization
• Assets Whole-Life Cost Minimization

Achieving a Standardization as an Asset Management Owner for the Railway Infrastructure in the Kingdom of Saudi Arabia
Workflow Strategy

**EMPOWER**

wherever you go: web, mobile, tablet, pc

**DRIVE**

Drive maintenance practices by improving the organizations overall performance

**MANAGE**

Schedule timely and appropriate maintenance

**REPORT**

Rich reports find hidden insights to help improve the bottom line
Maintenance Aspects

Preventive Maintenance
Preventing Problems Before They Occur

Reactive Maintenance
Allow Assets to Run to Failure

Predictive Maintenance
Predicting Problems to Increase Asset Reliability
Current Success

• SAR was able to take over the S&T maintenance in-house earlier than the contractual date and reducing the contract amount by %20.
• Cost saving of SR 36 millions (USD 9.6 millions)
• 96% of Saudization
• Reduction in the failure incidents and faster response time.
Thank You