

UIC Railway Asset Management Global Conference 2019

17 - 19 APRIL 2019
UIC HEADQUARTERS, PARIS

Added value of Asset digitalization

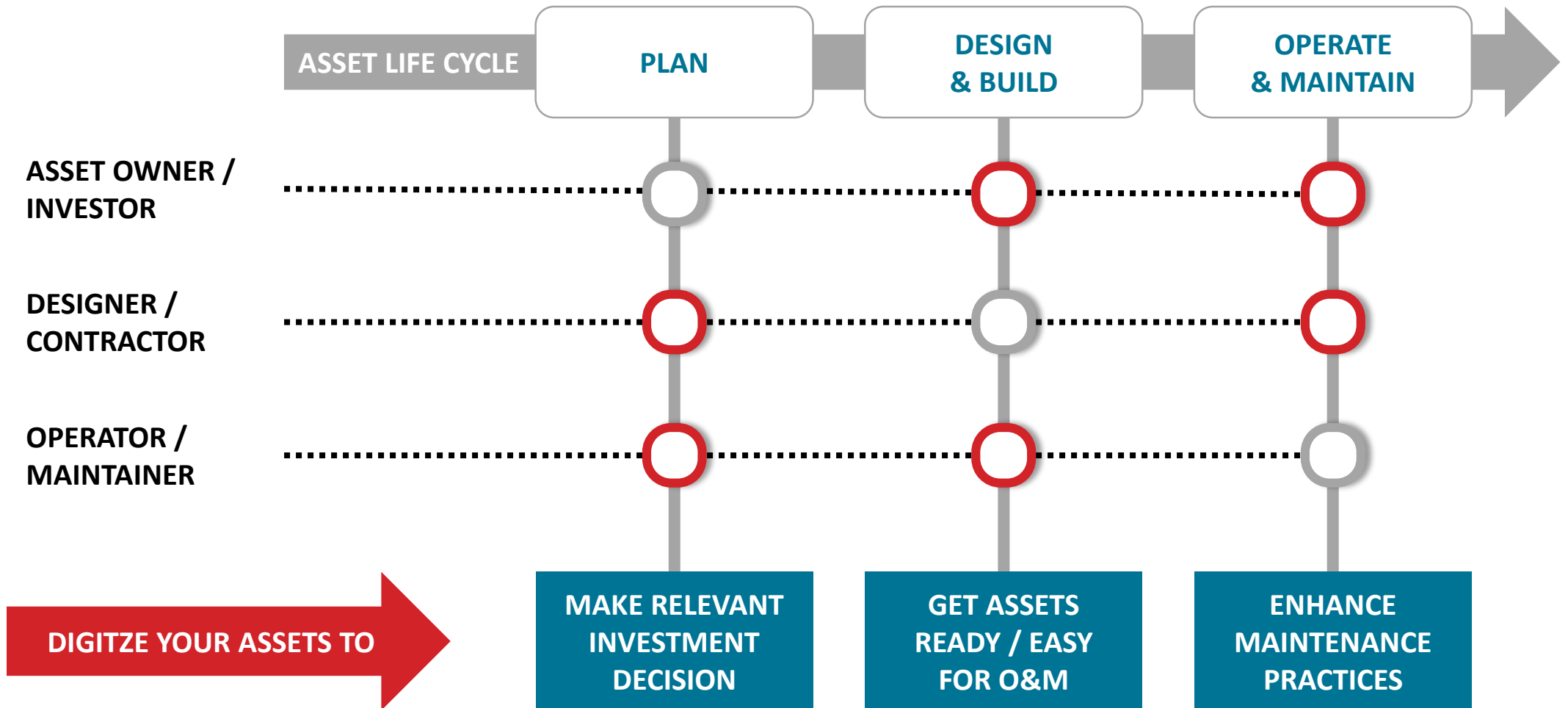
Asset Management digitalisation

SYSTRA

Harvey MARKOUR – Head of asset management

www.railway-asset-management.org

Value data to boost your asset management



1 – Make relevant investment decision

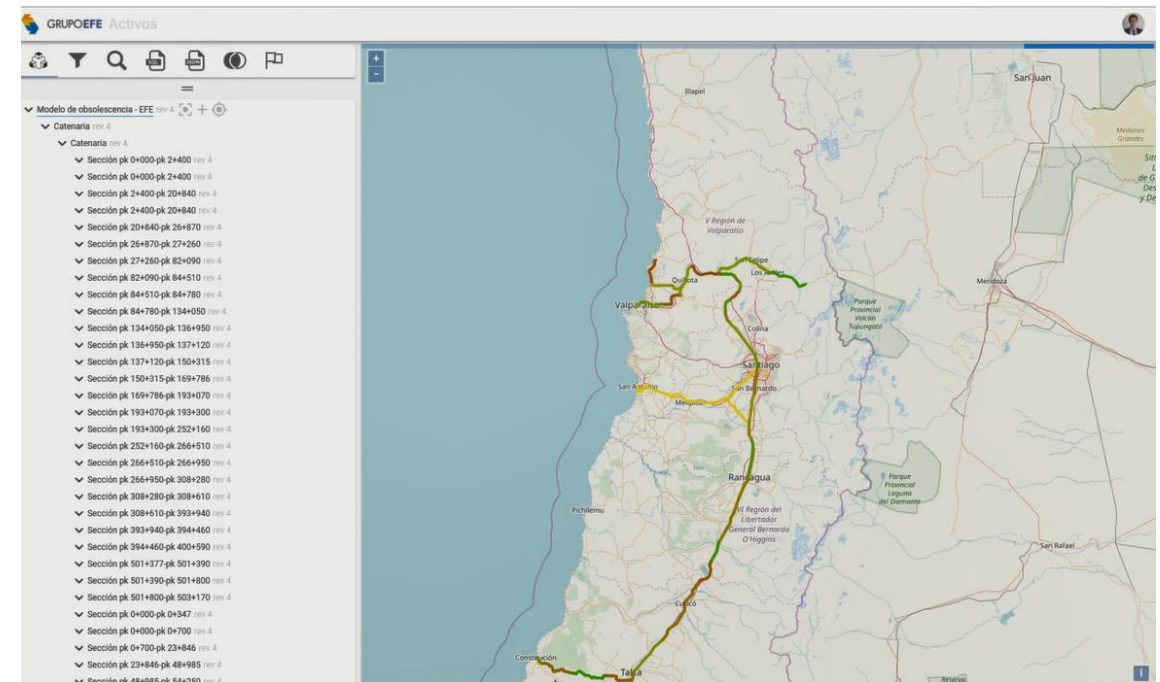
Challenges : Informed decision

Business case : Capex plan in Chile

Know current railway asset condition

Understand asset degradation and its impacts

Simulate and plan CAPEX strategy to optimize ROI



2 – Get rail assets ready and easy for O&M

Challenges : Collaboration

Align the design with your asset management strategy

Ease asset information handover from D&B to O&M

Business case: LISEA project (PPP)



Business case: EOLE project (BIM)



3 – Reduce asset maintenance footprint

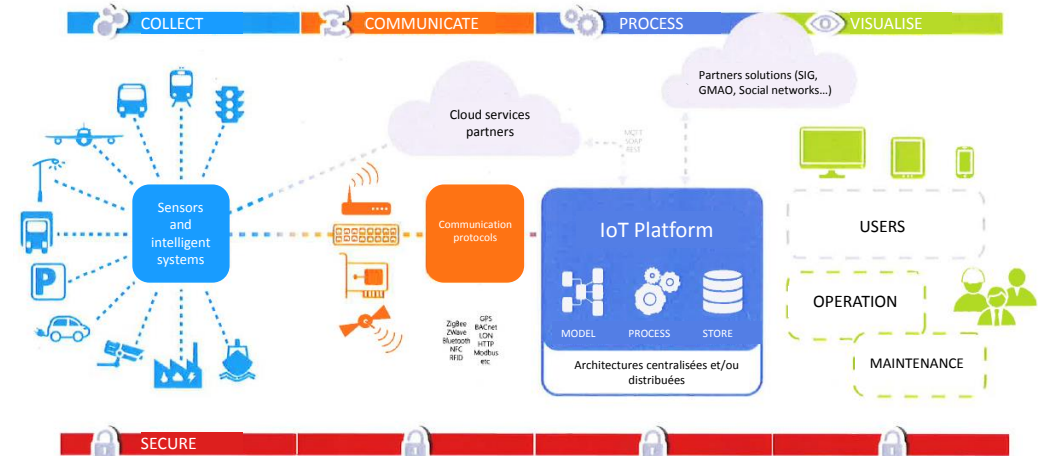
Challenges :

Leverage innovation to collect and/or value data

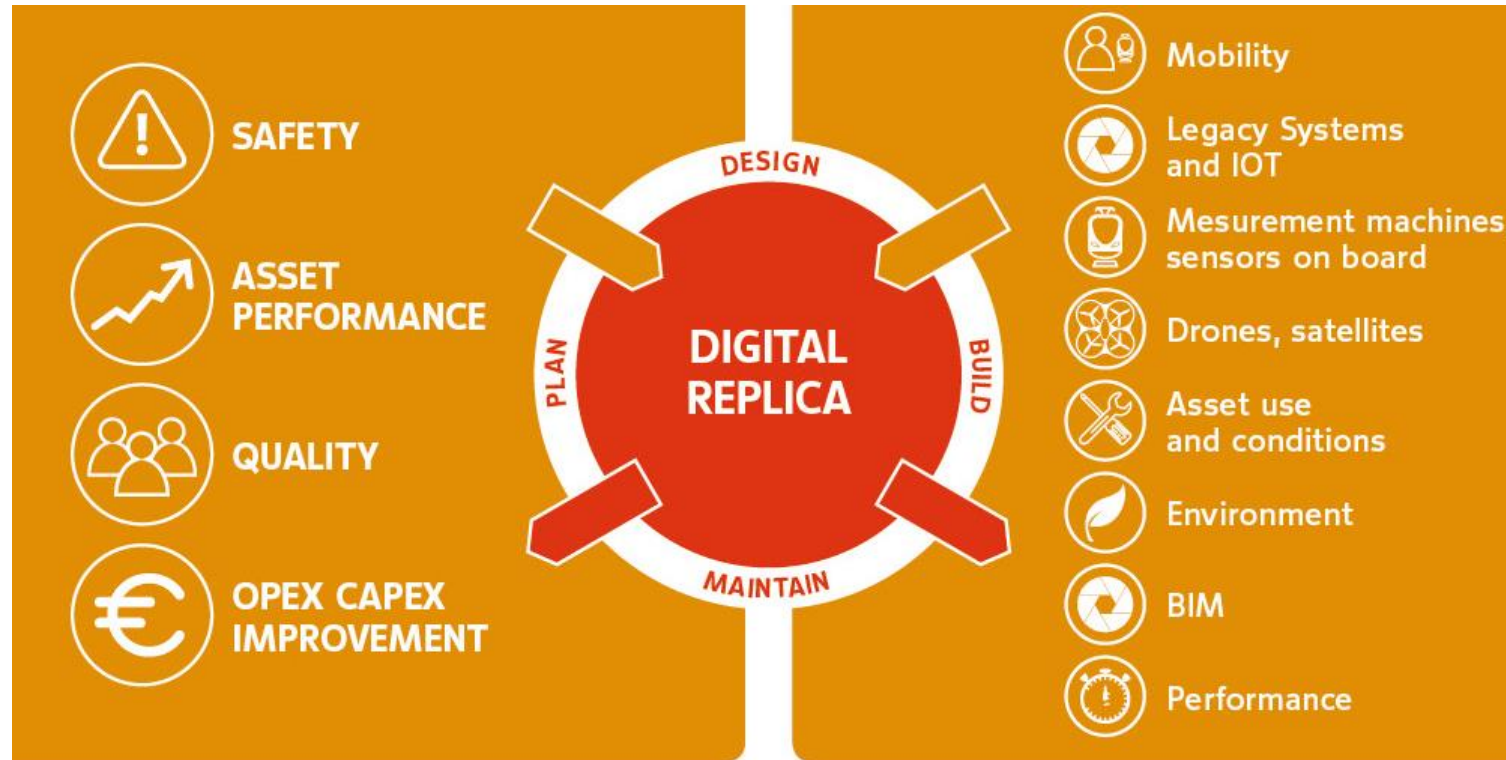
Closely monitor your assets actual condition

Fit your maintenance activities and reduce costs

Business case: Connected assets



Digital twin = key asset for your assets



Infrastructure
 Systems
 Rolling Stock

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