



Traffic infrastructure in smart way





Introduction

IMG Solution - SFWLab company profile

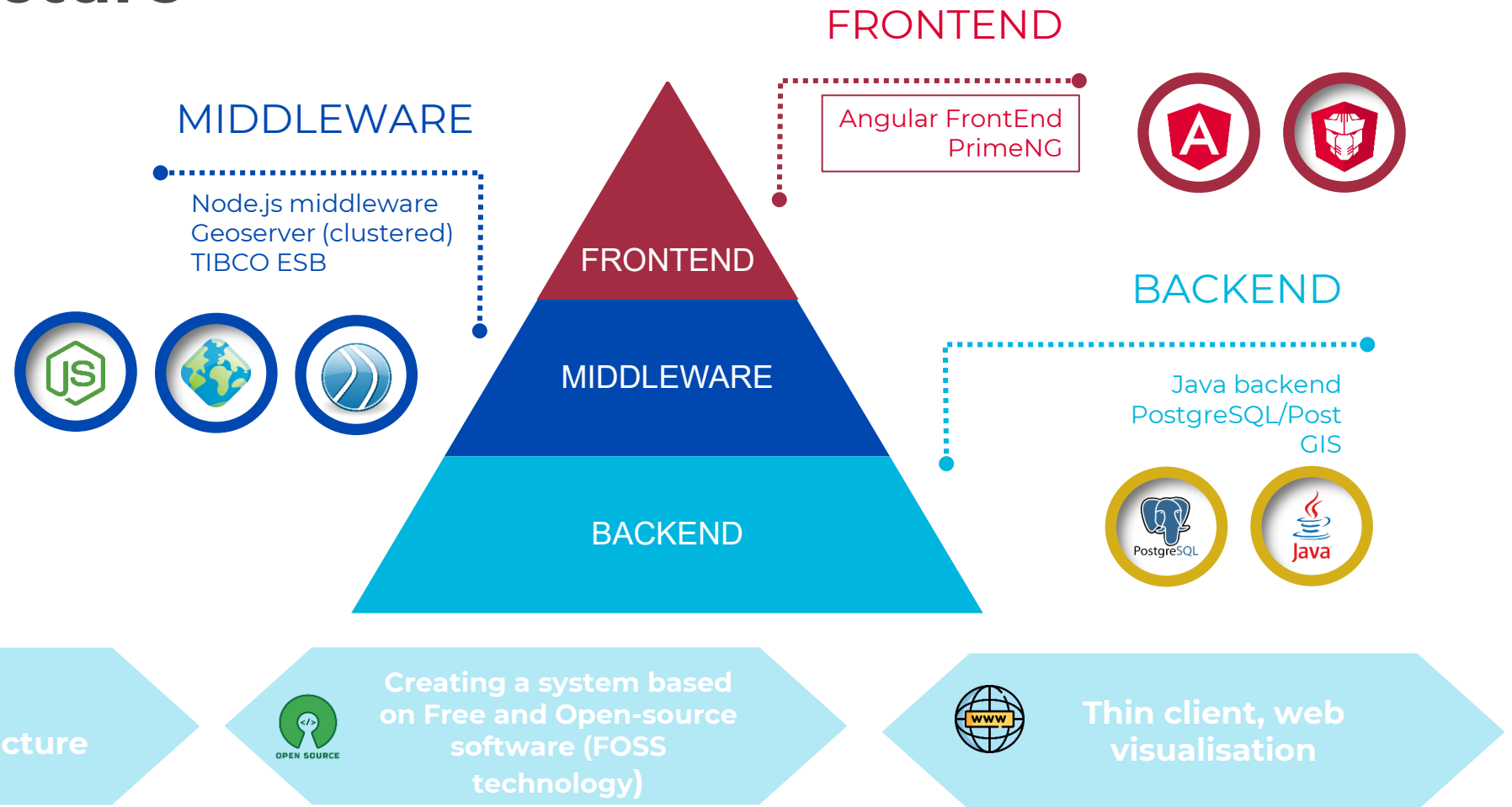
-  SFW Lab Ltd. is member of the IMG Solution company group.
-  IMG Solution systems integrator group with over 15 years of experience in delivering innovative IT and engineering solutions.
-  Use of latest technologies and digital trends
-  SFW Lab with more than 25 software engineers and a dedicated R&D focus
-  Significant player in the Hungarian ICT market
-  Our approach is rooted in industry best practices, agility, and a commitment to tailored digital transformation.



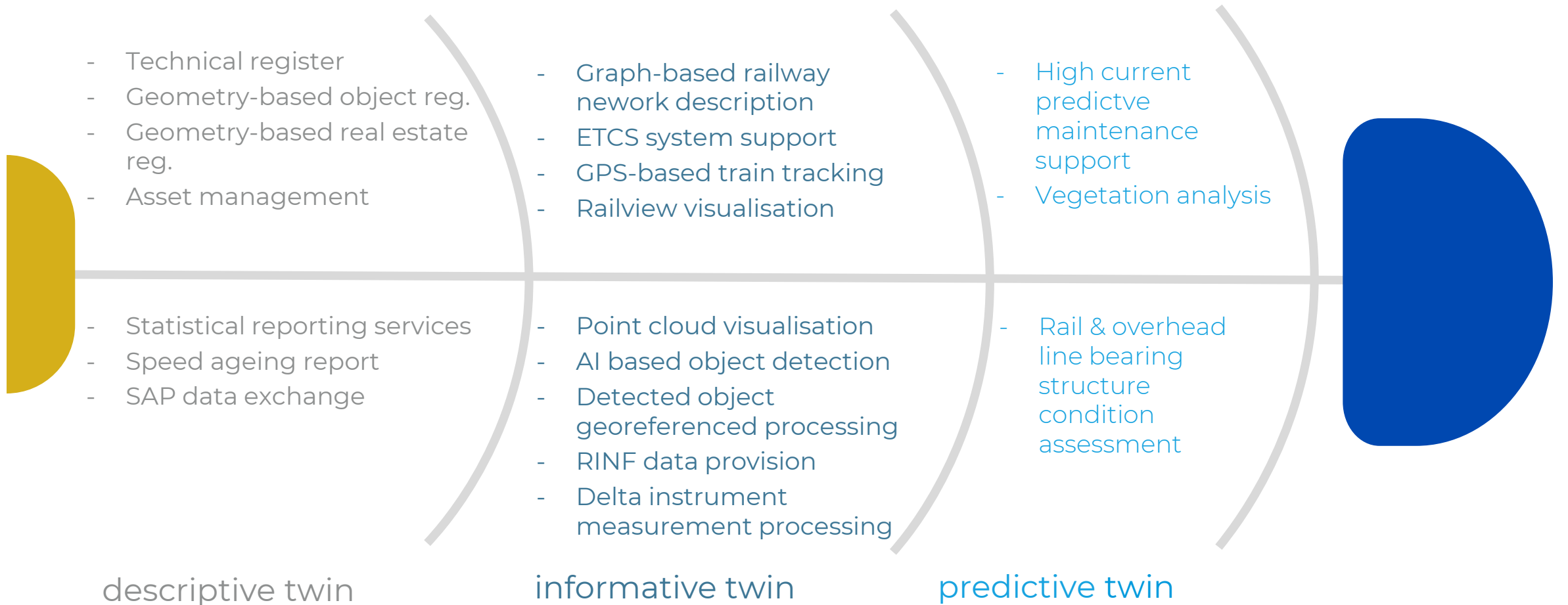
GIS Development TrackIntelligence 3.1



GIS Architecture



GIS modules/functionalities



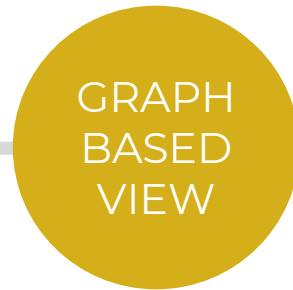
GIS visualisation

4 visualisation methods for more informative visualisation

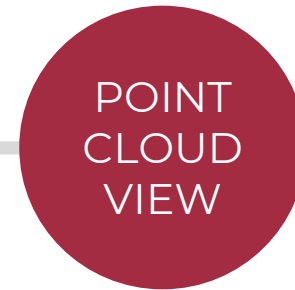
Map based representation of the features



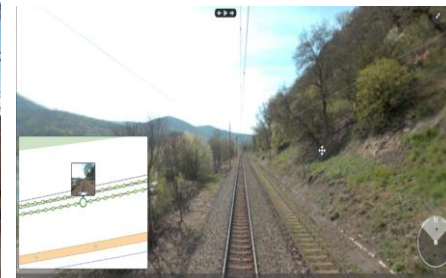
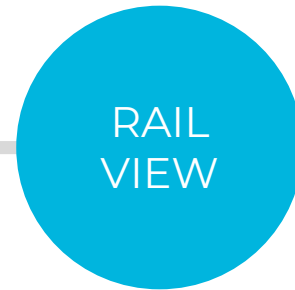
Automatically generated logical topology based on physical infrastructure



Processed coloured point cloud from LIDAR-based survey



Showing panoramic images, collected during survey





Delta On-Board Survey Instrument 1.2



Scope of Delta survey instrument

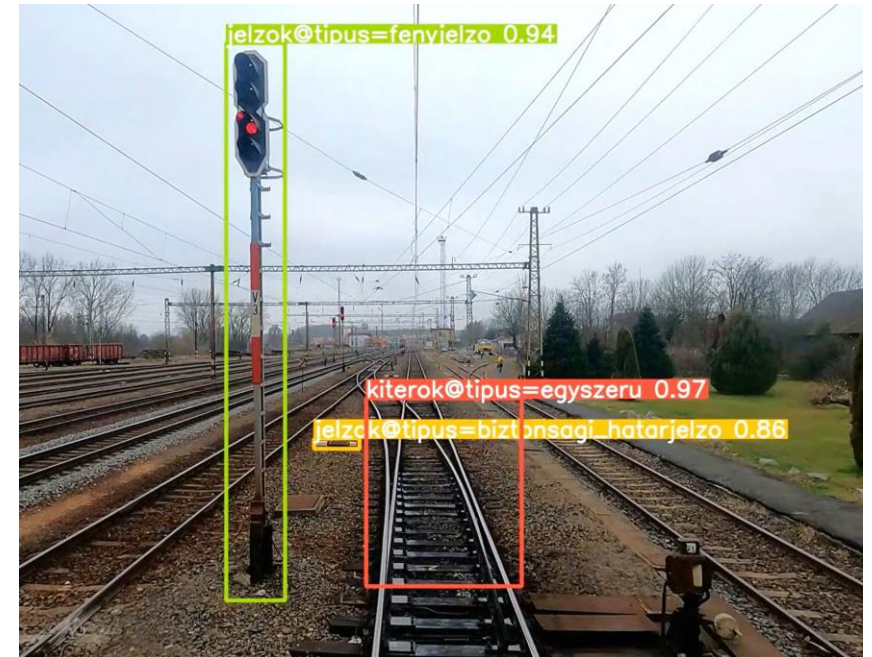
Detect railway objects

Installation on various locomotives

Detection capability up to 120 km/h

Critical fault detection and indication

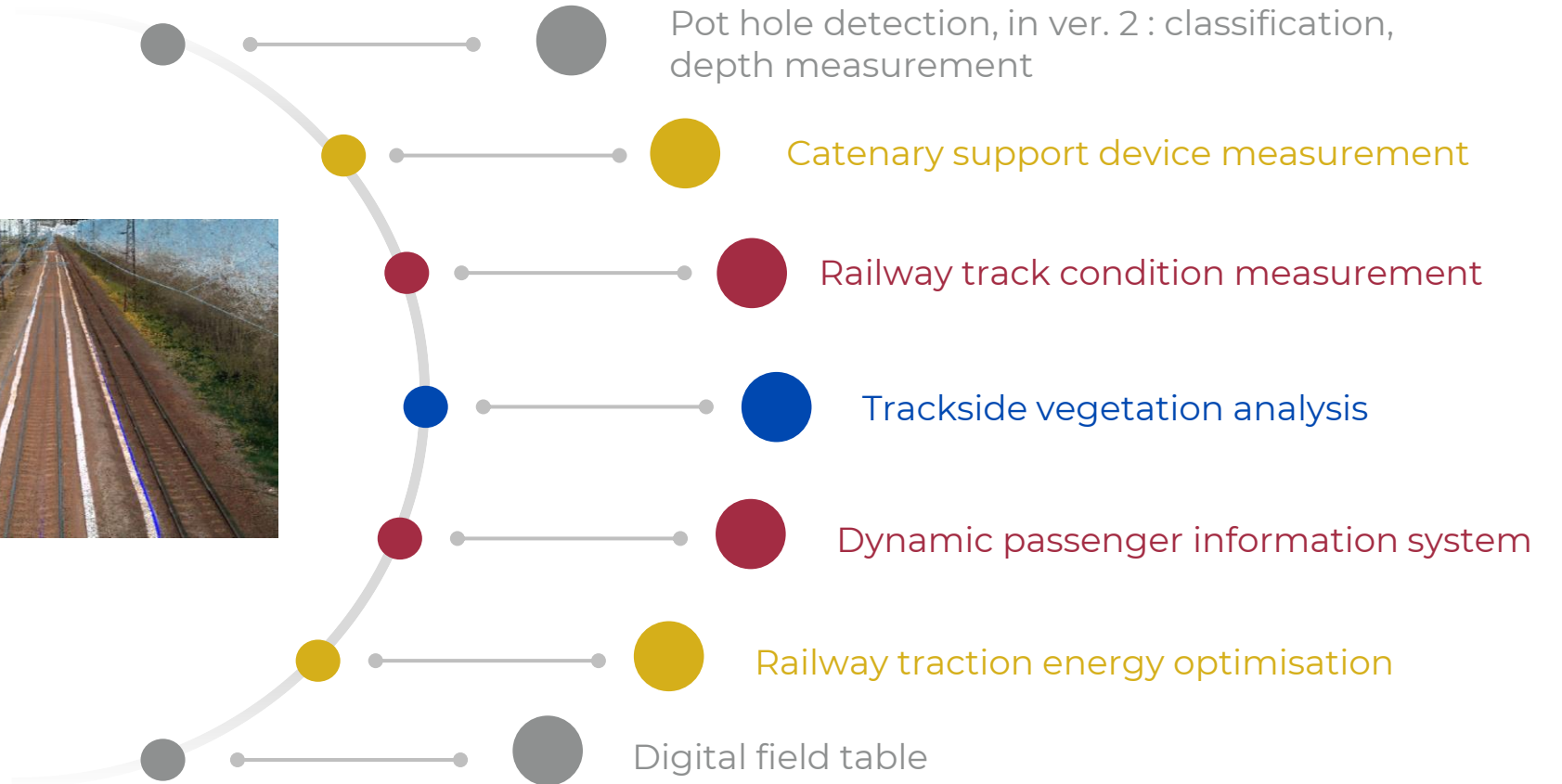
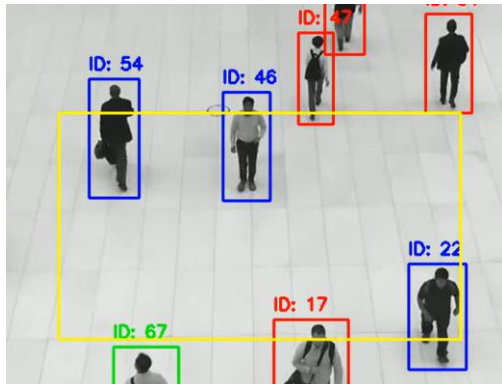
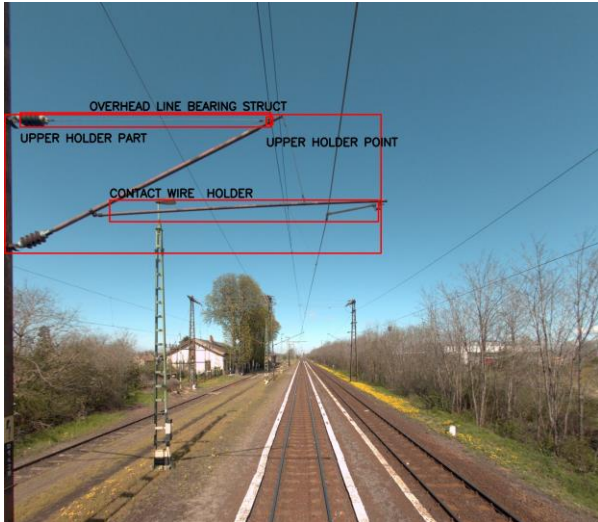
Near real-time operation, by using EDGE computing



The background of the slide is a dark blue space with a grid of light blue dots and lines, resembling a globe or a network. A large, curved, gold and grey shape is on the right side, and a thin gold vertical line is on the left side.

Ongoing Research & Developments

Research & Development areas





Thank you for your attention!