

HARMONY

HUMAN-ASSISTED REAL-TIME MONITORING OF INFRASTRUCTURE AND OBSTACLES BY REGULAR RAILWAY TRAINS



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THE AUSTRIAN
RESEARCH
PROMOTION
AGENCY
(FFG)

OBJECTIVES

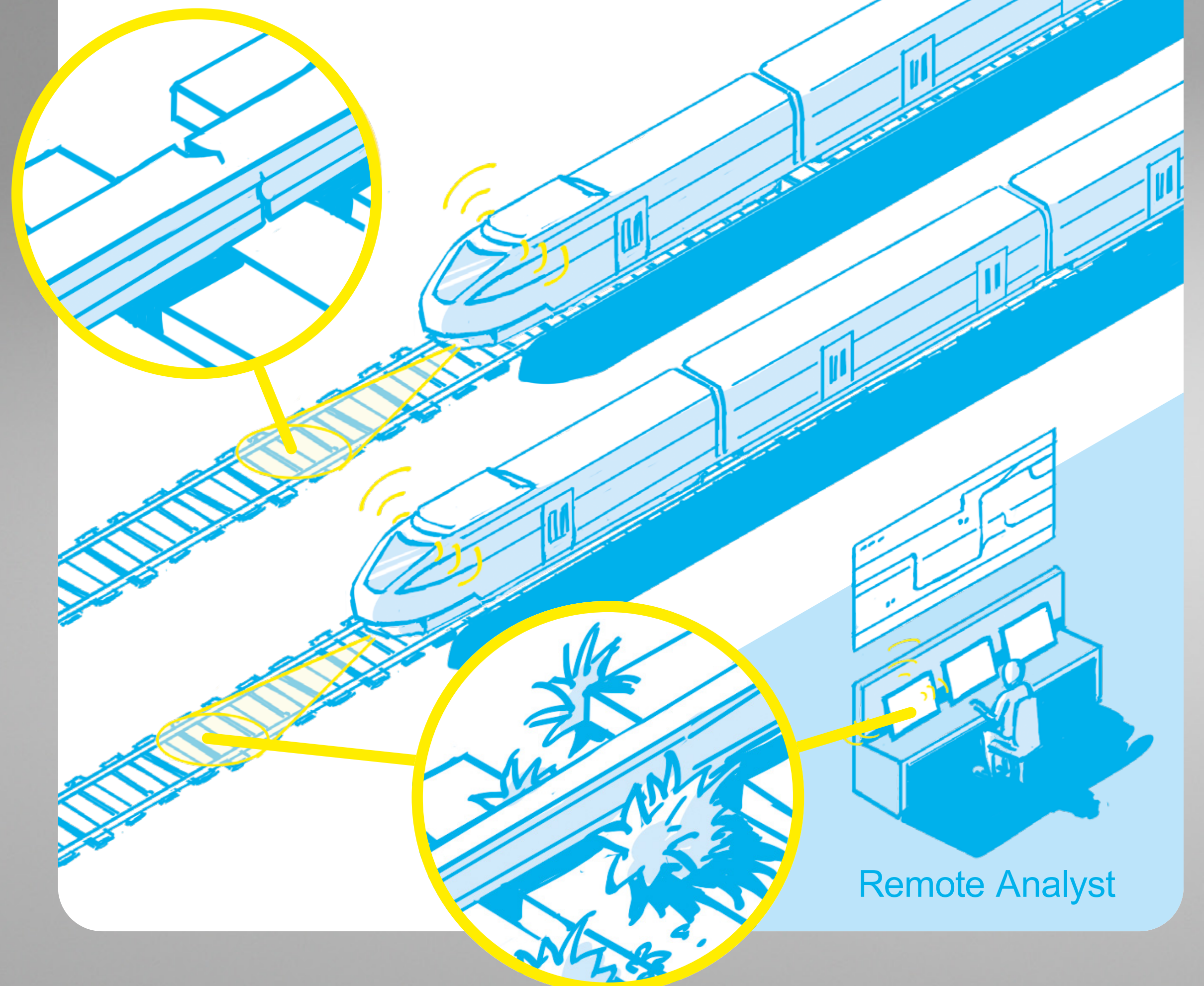
Development of an intelligent system for more frequent and cost-effective monitoring of railway infrastructure.

MAIN RESEARCH ASPECTS:

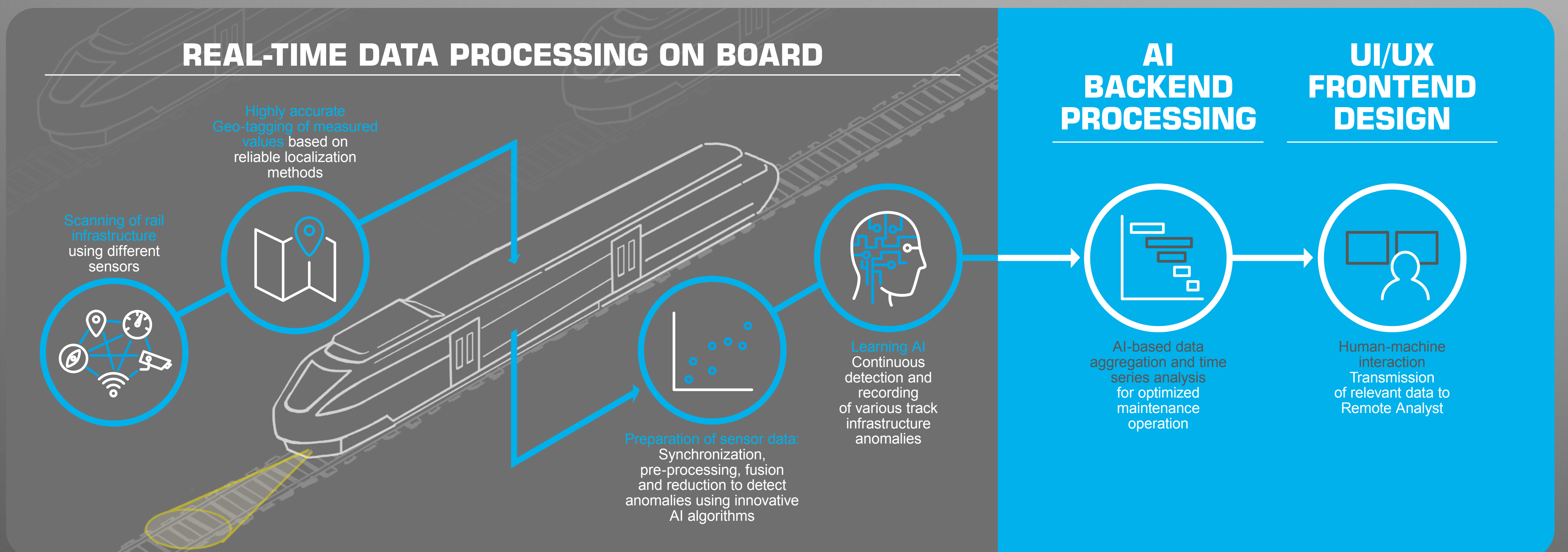
- Increasing the safety and reliability of railway operations
- Providing high-level support for railway operators
- Incorporating human factors (high user acceptance)
- Easy retrofittable
- Opening new perspectives for future remote operation of machines and vehicles

USE CASES

Detection of anomalies on tracks, trackbeds and switches (e.g. cracks, vegetation, objects,...)



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AREAS OF USE: Heavy Rail

PROJECT STATUS: Start 2020, First pilot project 2023

In cooperation with:



Program "IKT der Zukunft" An initiative of the Federal Ministry for Climate Protection, Environment, Energy, Mobility, Innovation & Technology (BMK)

THERE IS ALWAYS A MISSION EMBEDDED.

