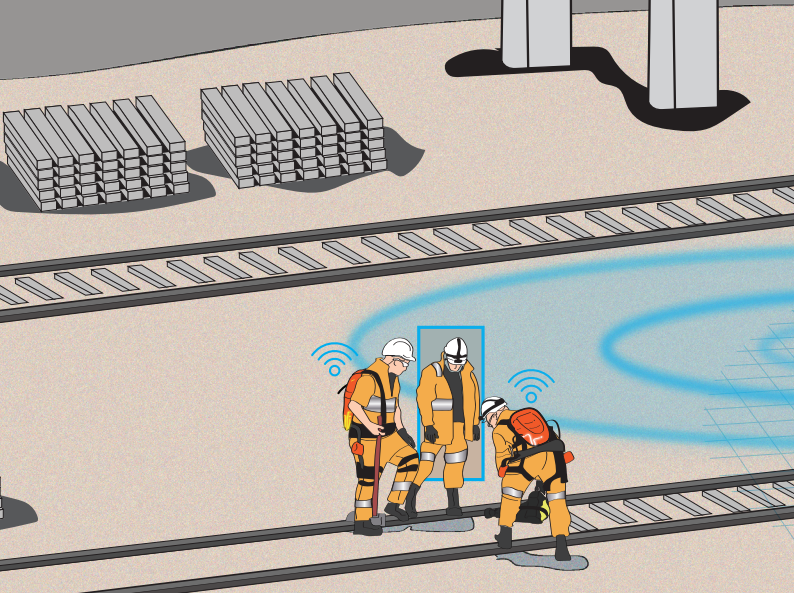




STREAM

**Smart Tools for Railway work safety
and performance improvement**



The MMPE

**Modular Multi-tasking
Powered Exoskeleton**



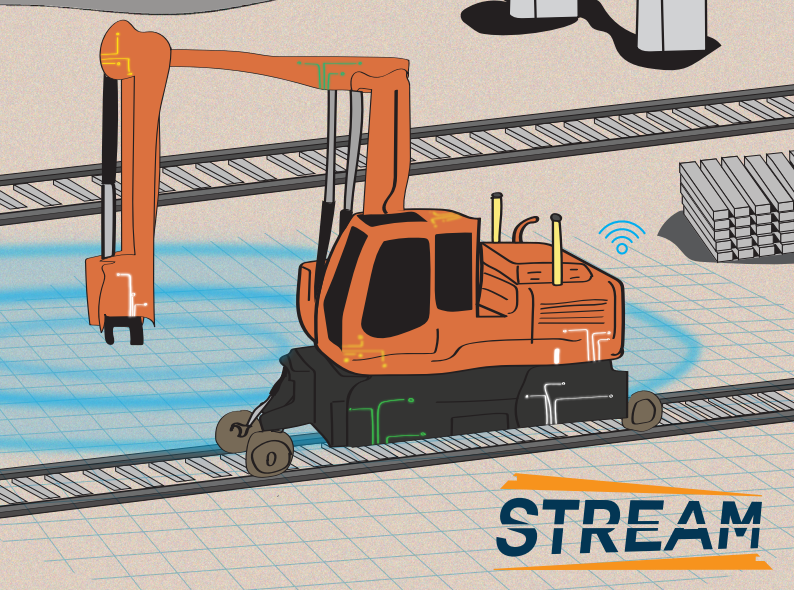
**Reduced risk of overexertion
injury at the lumbar region**



**Reduced effort experienced
while carrying loads**



**Improved sustainable
employability**



STREAM

The OTA3M

**On-Track Autonomous Multi-purpose
Mobile Manipulators**

**Improved workers safety with
robotic supervised operation**



**Cost reduction up to 20% less time for
maintenance operations**



**Improved quality and accuracy
thanks to robotic control**





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MANAGEMENT

STAM
MASTERING EXCELLENCE



ISTITUTO ITALIANO
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ADVANCED ROBOTICS



COMSA

STREAM is a collaborative project involving 7 partners with the goal to develop and subsequently introduce two innovative technologies: one to reduce the load on the workers by supporting them with exoskeletons during heavy tasks; the second to improve rail inspection and maintenance operations, by digitizing and converting heavy machines in robotic systems.

In addition, these robotic innovative devices could also contribute to reduce and prevent accidents and injuries at work, positively influencing the quality of life and safety of workers.



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