Unprecedented combination of energy resources shortage in Europe (2), leading to skyrocketing energy prices, made UIC Members and rail energy stakeholders come together to share and discuss the strategies adopted, and share best practices for quick energy saving.

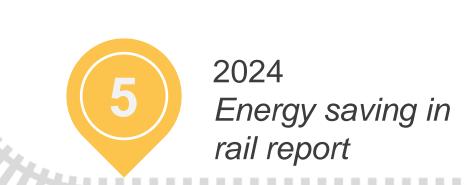






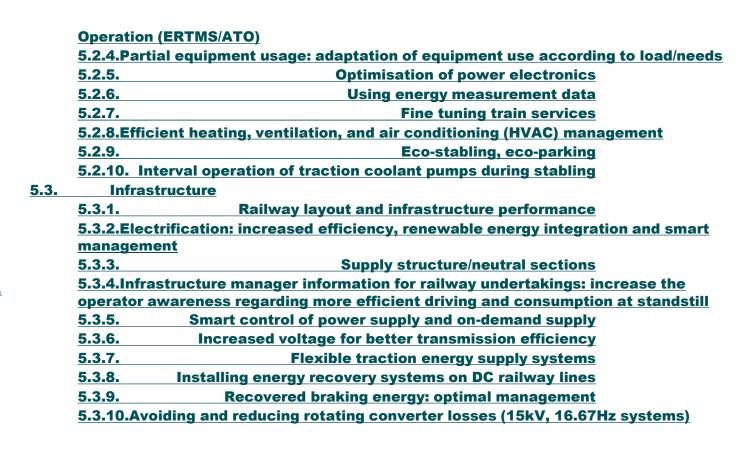


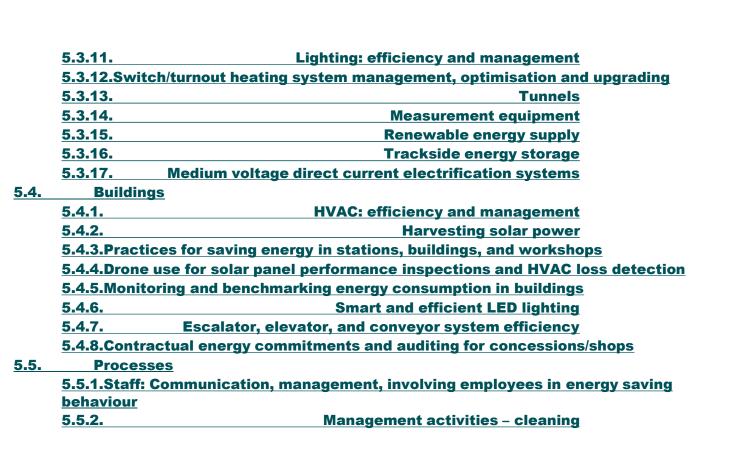
Best practice sharing and identification of useful actions to save energy





ENERGY SAVING MEASURES Rolling stock **5.1.1. Master Silicon Carbide (SiC) semiconductors** 5.1.2. Insulated gate bipolar transistor (IGBT) traction converters **Electromechanical Brake System (EMB) 5.1.4. 5.1.5.** <u>5.1.6.</u> **Heat pumps for enhanced HVAC efficiency** Smart/automated heating, cooling and ventilation (HVAC) **Lighting system upgrades** <u>5.1.9.</u> **Aerodynamic efficiency of rolling stock** Hydro-elastomeric axle-guide bearings Thermal efficiency and insulation of rolling stock 5.1.12. Weight and capacity of rolling stock (Innovative materials for lighter car body, <u>High-speed motor on wheel</u> 5.1.14. Alternative traction systems, onboard energy storage & last mile 5.2.3.Driving assistance tools, Driving Advisory Systems (DAS) and Automatic Train





ENERGY EFFICIENCY AND ENERGY SAVING IN RAIL

The UIC launched the UIC Energy Saving Taskforce

It is now merged within the UIC ENERGY EFFICIENCY & CO2 EMISSION SECTOR

The Sector welcomes all members and rail stakeholders as guests in meetings and best practice workshops that will feed in the upcoming the online library:

THE UIC SUSTAINABILITY HUB

