

# 100% Renewables

# **Climate Protection as Business Case in Rail**

#### ELECTRICITY SUPPLY OF RAILWAY TRACTION AND RENEWABLE POWER GENERATION IN AUSTRIA ARE CLOSELY LINKED



ÖBB-Infrastruktur AG

#### Climate protection strategy





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#### Traction Energy Today





#### 100% Renewables



## RENEWABLE TRACTION ENERGY PRODUCTION AND CERTIFIED AUSTRIAN RENEWABLES FROM MARKET





#### RAILWAY TRANSPORT IS EFFICIENT AND CLIMATE-FRIENDLY



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#### Vision for the Future







#### **STRENGTH:**

- High-performance grid
- Experience

## **OPPORTUNITIES:**

- Awareness of customers
- Commitment of policy makers

#### WEAKNESSES:

16,7-Hz components are more expensive

### **THREATS:**

- Not (yet) economically feasible
- Public funding restricted



#### Business case 100% renewables in rail: Technically feasible, economic obstacles!

#### EU STRATEGY TO SUPPORT CLEAN AND AFFORDABLE ENERGY FOR RAILWAYS

- · Balance prices and true costs of rail and road
- R&D and technology to market
- Level-playing-field for funding

