



ISO 50001 Implementation

Practical Steps to Certification

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—○ Overview

1. Who are we
2. ISO 50001 at BLS Cargo Nord
3. Timeline to certification
4. Preparation phase
5. From analysis to energy projects
6. Continual improvement
7. Certification audit
8. Q&A

Who we are

19,757

TRAINS OPERATED IN 2024

52%

MARKET SHARE

Challengers in the European rail freight market hold a market share of 48%. We're an important part of it.

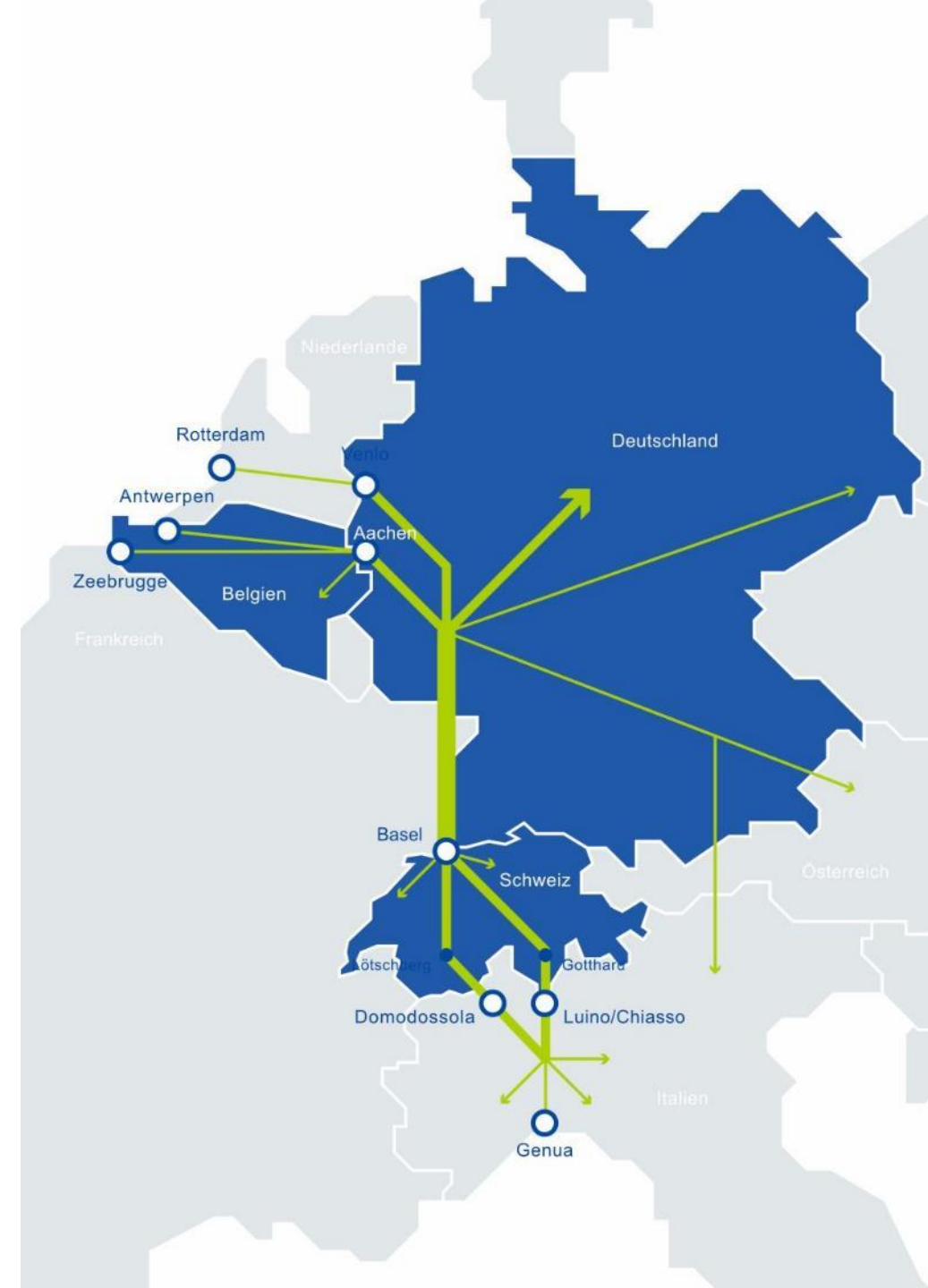
150

OWN LOCOMOTIVES

445

FULL-TIME POSITIONS IN 2024

Of these, 37% work in Belgium, 28% in Switzerland, 23% in Germany and 12% in Italy.



—○ ISO 50001 at BLS Cargo Nord

Regulatory driver

EnEfG (DE): mandatory Energy or Environmental Management System (> 7.5 GWh/year)

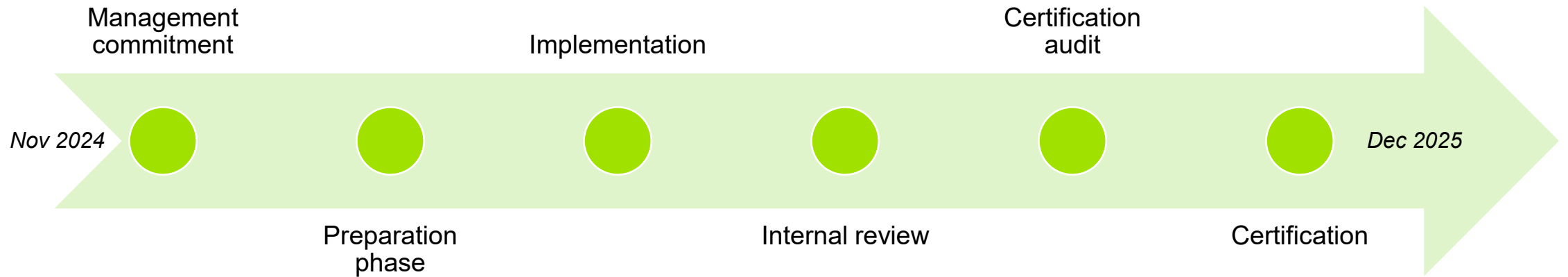
Why ISO 50001

- Globally recognized energy management standard
- Focus on continuous improvement of energy performance
- Alignment with existing management systems

Co-benefits

- Structured approach to energy management
- Reduction of energy costs
- Access to funding (e.g. RED II in Belgium)
- Contribution to CO₂ reduction targets

Timeline to certification



—○ Preparation phase - Data readiness

Structured data as backbone of decision-making

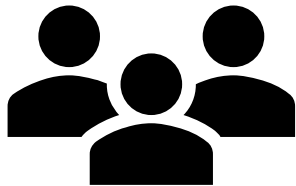
- Centralised collection of traction energy, buildings and mobility data
- Standardised data model across countries
- **Data sources and integration**
 - Energy data (EMS)
 - Infrastructure data (Trainpath)
 - Operational data (ERP)
- **Data quality and governance**
 - Alignment between all sources
- **From availability to usability**
 - Enables identification of consumption patterns



—○ Preparation phase - EnMS foundations

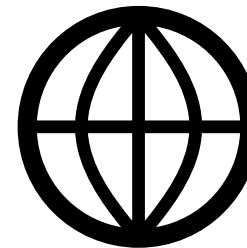
Organisation & roles

- Energy team established
- Roles and responsibilities defined
- ISO 50001 training



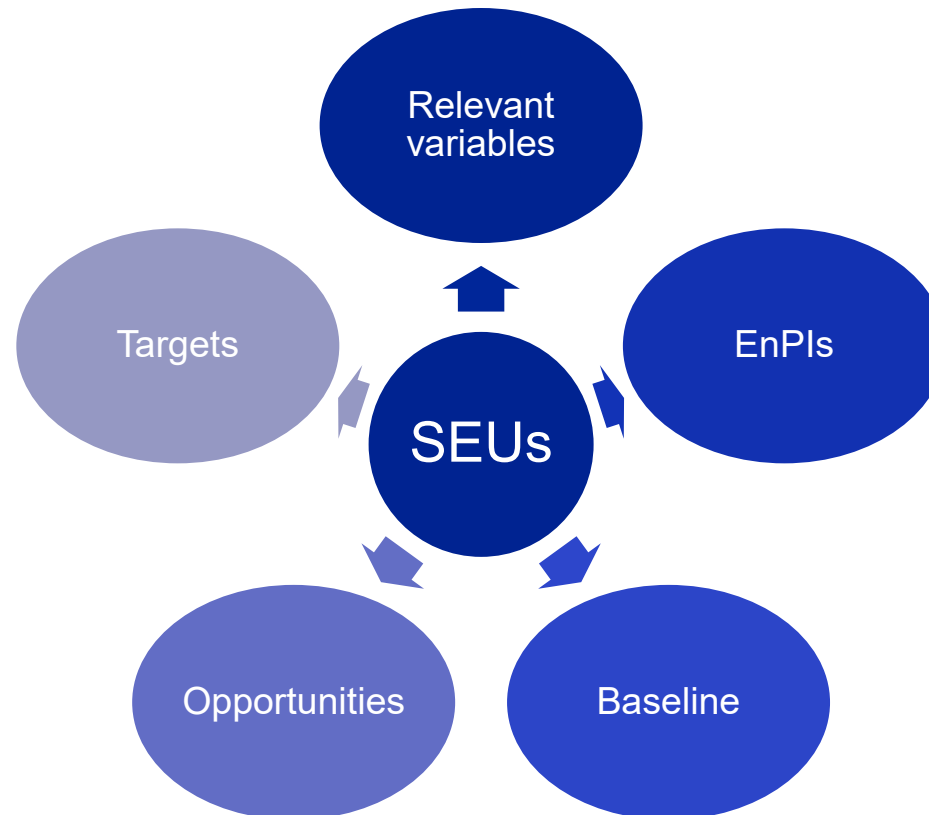
Context of the organisation

- Scope definition
- Risk and opportunities
- Stakeholder requirements

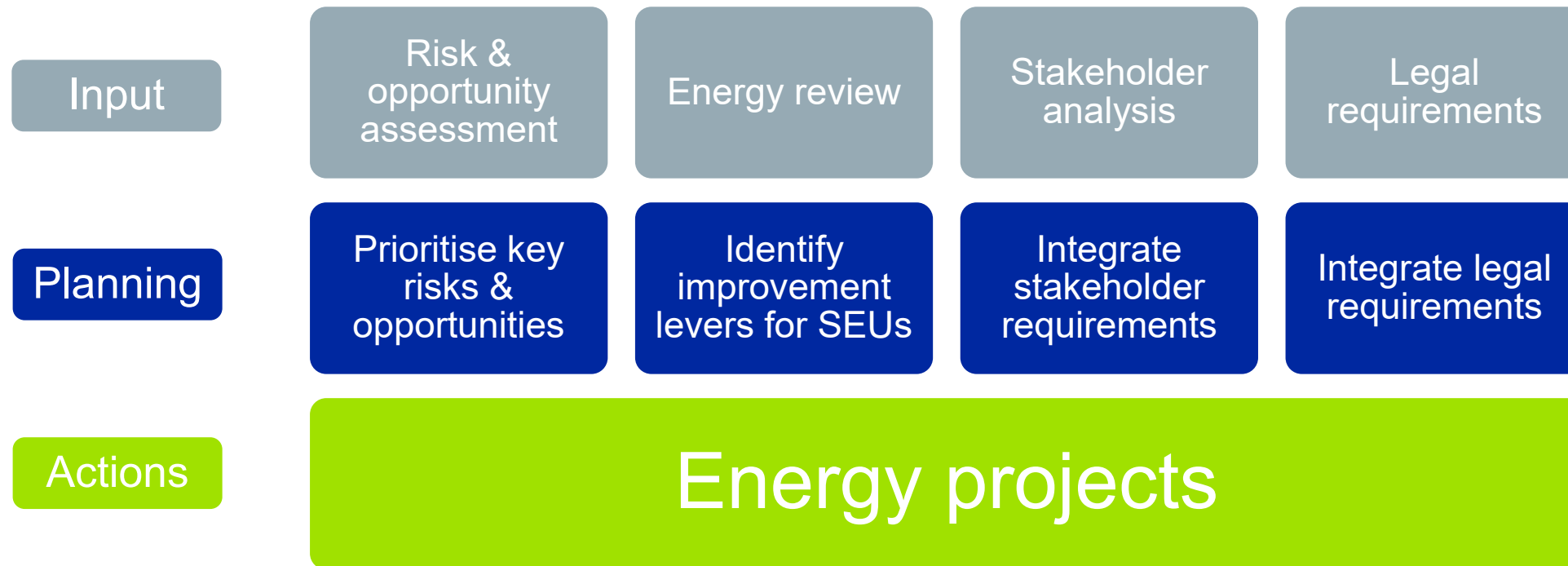


—○ Preparation phase - Energy review

- Energy consumption categorised into: Traction, Mobility and Buildings
- Traction dominates → SEUs identified within traction based on consumption and improvement potential



—○ From analysis to energy projects



—○ Certification audit

Audit overview

- Duration: 6.5 days
- Locations: Belgium and Germany (office sites)
- Involved: energy team and other departments (e.g. training, TD, QHSE)
- On-site verification: locomotive visit

Outcome

- ISO 50001 certification achieved
- Minor non-conformities identified
- Corrective action plan defined (root cause analysis)
- Follow-up audit after 1 year



Continual improvement

Monitoring

- Energy performance monitored via EnPIs

Review

- Periodic energy review
- Internal audits
- Management review

Improvement actions

- Follow up of energy projects
- Corrective actions from audits



○ **Thank you!**

○
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Q&A