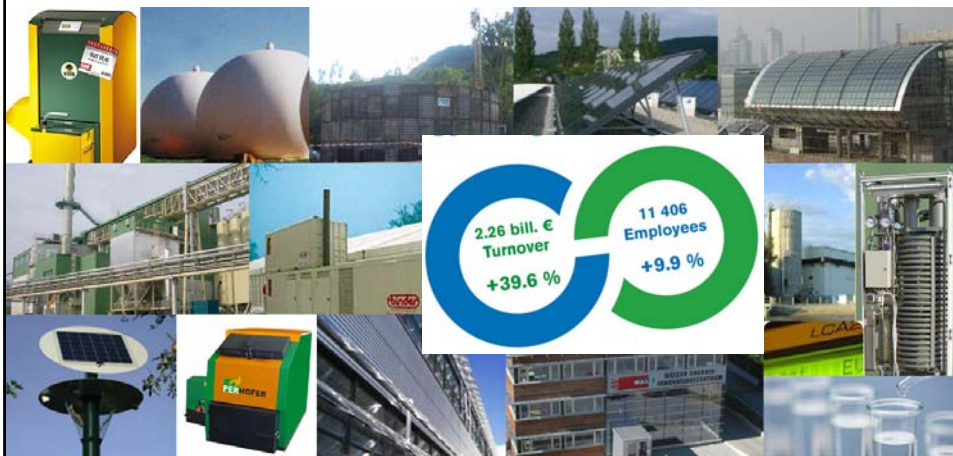




Challenges, Trends and ground-breaking Innovations

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ECO WORLD STYRIA
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New Energies provide New Jobs - e.g. Styrian Solution Providers



Technology Trends (1-3a)



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1. Chilling and power from waste heat
2. Process and room heating from solar panels
3. Decentralisation of energy supply
4. Smart metering – intelligent electricity, gas + heat meters
5. Biogas feeding into the natural gas network
6. Storage of decentrally generated electricity
7. Logistics and transportation innovations
8. Phase change material as new storage technology
9. Gasification of wood-based biomass
10. Membranes for CO₂ separation

Example of Ground-breaking Innovation: Passive House on 2000m Elevation (Styria)

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EIT-Innovations of the Future?



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Sustainable mobility
- Biodiesel 2.0 from algae?

Decentralised energy supply
- High capacity storage?

Housing
- Energy producing buildings?

Greening the industry
- Biorefineries + factor 10 processes?

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