

# European Energy Efficiency Conference 2020

4 – 6 March 2020  
Wels, Austria

## Conferences:

- Energy Efficiency Policy Conference
- Industrial Energy Efficiency Conference
- Smart E-Mobility Conference
- Green Financing Workshop
- Young Energy Efficiency Researchers Conference

[www.wsed.at](http://www.wsed.at)
















# European Energy Efficiency Conference 2020

## Programme overview

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**European Energy Policy Conference**  
 Green Deal • Policy • Markets • Energy Efficiency Watch
- 
**Industrial Energy Efficiency Conference**  
 Industrial energy transition: Industry 5.0 • Game changers • Energy transition leaders
- 
**Green Financing Workshop**  
 Interactive workshop on financing instruments for buildings, transport and public infrastructure
- 
**Workshop for Energy Agencies**  
 ManagEnergy Networking Event to drive the energy transition in cities and regions
- 
**Smart E-Mobility Conference**  
 Market overview • Building integration • Energy management • Storage and charging solutions • Best practice examples
- 
**Young Energy Efficiency Researchers Conference**  
 A conference presenting the work of young energy researchers. Best Young Energy Efficiency Researcher Award
- 
**Technical site visits: Energy efficiency**  
 An afternoon trip to energy efficiency projects in the surrounding area
- 
**Poster Presentation**  
 An opportunity to display successful energy projects and products as well as results of EU projects to international experts
- 
**Tradeshow (Energiesparmesse)**  
 Leading tradeshow on renewable energy and energy efficiency with 100,000 visitors and 1,600 exhibiting companies

## Timetable

	Tuesday 3 March	Wednesday 4 March	Thursday 5 March	Friday 6 March
 Technical site visits: pellets and wood chips				
 European Pellet Conference				
 European Energy Efficiency Conference				
 Workshop "New opportunities for energy agencies"				
 Energy Efficiency Policy Conference				
 Industrial Energy Efficiency Conference				
 Green Financing Workshop				
 Young Energy Efficiency Researchers Conference				
 Young Biomass Researchers Conference				
 Smart E-Mobility Conference				
 Technical site visits: energy efficiency				
 Tradeshow				
 Poster Presentation				

## A new deal for Europe: Energy Efficiency

Becoming the first climate-neutral continent by 2050 is an ambitious goal which requires ambitious measures. Energy efficiency as the "first fuel" of the energy transition is at the centre of this roadmap for making the EU's economy sustainable.

The event offers delegates a comprehensive package:

- 5 dedicated conferences
- technical visits to innovative energy efficiency projects
- a major tradeshow on building efficiency and renewable energy with more than 100,000 visitors and 1,600 exhibiting companies

## Who attends the event?

A wide range of business actors engaged in the energy transition:

- technology and equipment companies, energy companies, service providers, planners, developers, financing sector etc.
- the energy efficiency research community
- representatives from public bodies (e.g. EU institutions, national, regional and local governments, energy agencies)

**Over 400 experts each year from more than 50 countries!**

## When does it take place?

4 - 6 March 2020

## Where does it happen?

Wels/Austria. The region of Upper Austria is an ideal location for this conference: Through significant increases in energy efficiency and renewable energy, greenhouse gas emissions from buildings have been reduced by 37 % in 10 years. Over 58 % of all space heating and 31 % of the primary energy in Upper Austria already come from renewables.

## How to join?

Mark your calendar, register today ([www.wsed.at](http://www.wsed.at)), book your hotel, finalise your travel details and come join us at the European Energy Efficiency Conference in Wels!

## Value for your time!

In just 2 days, you can profit from a comprehensive package:

- up-to-date information on markets, policies, technologies, financing, business models, research and case studies
- hands-on experience through technical site visits
- a tradeshow with 1,600 exhibiting companies
- new business opportunities
- valuable networking possibilities
- Austrian hospitality!

## Clean. Competitive. Connected.

### What's new in 2020?

- The new EU Green Deal
- Energy Efficiency in Action
- Industry: Independent from fossil fuels
- E-Mobility on the move
- Networking Corner



# Energy Efficiency Policy Conference

5 March 2020

5 March | 09.00

## Europe's new Green Deal: Energy efficiency at the centre

Becoming the first climate-neutral continent by 2050 and simultaneously boosting the economy, improving people's health and quality of life, caring for nature, and leaving no one behind – these ambitious goals require ambitious measures. Energy efficiency as the "first fuel" of the energy transition is at the centre of this roadmap for making the EU's economy sustainable.

- **Welcome and opening**  
Markus Achleitner, Regional Minister for Economy and Energy, Upper Austria
- **A Green Deal for Europe**  
Radoš Horáček, European Commission, DG Energy
- **The IEA Energy Efficiency Report 2019**  
Vida Rozite, International Energy Agency
- **A Green Deal for Upper Austria**  
Gerhard Dell, OÖ Energiesparverband, Austria
- **Beyond energy efficiency: results from EU projects**  
Anette Jahn, European Commission, EASME
- **R&D as an energy efficiency policy**  
Theodor Zillner, Federal Ministry for Transport, Innovation & Technology, Austria



**5 March | 11.00**

## **Voices Platform: Views and opinions**

Your opinion counts! In this interactive session, you are invited to express your opinion in the context of a large EU survey. You will also hear which priorities for the energy transition are important to young people from research and industry.

- **Your opinions and views:  
the Energy Efficiency Watch Survey live**
- **Young voices for the energy transition**  
Lakshmishree Venugopal, India / Germany  
Lurian Pires Klein, Brasil / Portugal  
Alex Epik, Ukraine  
Meri Olenius, Finland  
Irene di Padua, Italy / Belgium

**5 March | 12.00**

## **Narrative Session: Creating a better society through the local energy transition**

In this session, we show with convincing examples how, on the local level, a better society is already being created through the energy transition. These examples demonstrate how the ambitions of the Green Deal can be delivered in real life.

- **Narratives and counter narratives for the local energy transition**  
Hanne May, Dena, Germany
- **Boosting local economic development**  
Søren Hermansen, Samsø Energy Academy, Denmark
- **Creating a better community image**  
Vlasta Krmelj, Energy Agency of Podravje, Slovenia
- **Improving health through energy-efficient renovation**  
Seamus Hoyne, Limerick Institute of Technology, Ireland
- **Competitiveness through energy efficiency**  
Andrea Di Gregorio, Ras Al Khaimah, United Arab Emirates

### **Chairperson:**

Jan Geiss, Eufores, Coordinator Energy Efficiency Watch Project

This conference is organised in the context of the H2020 "Energy Efficiency Watch 4" project:  
[www.energy-efficiency-watch.org](http://www.energy-efficiency-watch.org)





# Industrial Energy Efficiency Conference

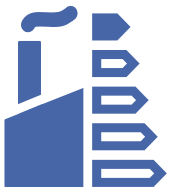
5 March 2020

5 March | 14.00

## Industry 5.0: Independent from fossil fuels

Independence from fossil energy is becoming a key factor for industrial competitiveness. Following automation and digitisation, "Industry 5.0 - decarbonisation" will characterise the next big step in the industrial transformation. We present programmes from the three leading economic world powers paving the way for the industrial energy transition.

- **Industry 5.0 - Competitiveness through the energy transition**  
Christiane Egger, OÖ Energiesparverband, Austria
- **Europe: climate neutrality for energy-intensive industries**  
Alberto Carrillo Pineda, CDP Europe
- **China: The Climate Plants Programme**  
Jing Sang, China Council for an Energy Efficiency Economy
- **US: 6 billion dollars saved with the "Better Plants Programme"**  
Eli Levine, United States Department of Energy



## Game changers for the industrial energy transition

We present how R&D, artificial intelligence and global collaboration can be important game changers for the industrial energy transition.

- **Artificial intelligence: Increasing energy efficiency and productivity**  
Robert Feldmann, McKinsey, Germany
- **Global collaboration: Energy efficiency throughout the world**  
Marco Matteini / Hannes Mac Nulty, United Nations Industrial Development Organisation
- **R&D: NEFI - The New Energy for Industry innovation network**  
Wolfgang Hribernik, Austrian Institute of Technology, Austria

## Energy Efficiency in Action: Leaders in decarbonisation

Leading industrial companies show how to stay competitive in a changing world through the energy transition.

- **Tiger: Green manufacturing of coating systems**  
Marielen Haider-Madl, Tiger, Austria
- **A change for the better: Electrolux sustainability leadership**  
Gordon Smith, Electrolux, US
- **Towards the most efficient injection-molding company worldwide**  
Hannes Jungmair, Starlim, Austria
- **Carlsberg Group: Brewing for a better world**  
Adam Pawelas, Carlsberg, Switzerland

19.00 Evening programme



# Workshop "New opportunities for energy agencies"

## ManagEnergy Networking Event

4 March 2020 | 14.00

In this interactive session, we offer tailored information for energy agencies on how to create new opportunities for their organisations with the Green Deal. Come strengthen your network for new partnerships and be inspired by fellow energy agencies as they present their top programmes, projects and tools to trigger more sustainable energy investments in their regions and cities. Energy agencies play a key role in catalysing the process of change. Together, we figure out how!

### EU policies and programmes for energy agencies

- **The Green Deal - what is in it for energy agencies?**  
Radoš Horáček, European Commission, DG Energy
- **Upcoming EU funding opportunities**  
Anette Jahn, European Commission, EASME
- **ManagEnergy - Supporting energy agencies in leading the energy transition**  
Seamus Hoyne, Limerick Institute of Technology, Ireland

### From inspiration to action: venturing into new fields

Following an inspiring showcase of successful initiatives by peer energy agencies, we work together on how our agencies can venture into new fields, on funding solutions for these new activities and on developing new investment projects.

- **A viable financing scheme for deep renovation of multi-family houses**  
Daniel Encinas Martín, Agencia Extremeña de la Energía, Spain
- **Triggering the industrial energy transition**  
Gerhard Dell/Christiane Egger, OÖ Energiesparverband, Austria
- **Bringing the regional energy transition into the digital age: the TerriSTORY tool**  
Étienne Viernot, AURA-EE, France
- **How to develop an integrated hydrogen economy**  
Nejc Jurko, KSEENA, Slovenia
- **Mastering EU financing for the local energy transition**  
Piergabriele Andreoli, Provincial Energy Agency of Modena, Italy
- **Engaged citizens as allies of energy agencies: the ENES-CE project,**  
Alen Visnjic, Medjimurje Energy Agency, Croatia
- **Tackling climate protection and youth employment: the Yenesys project**  
Savvas Vlachos, Cyprus Energy Agency, Cyprus
- **Guiding large cities through their energy transition**  
Ion Dogeanu, Local Energy Agency Bucarest, Romania
- **Supporting municipalities in profiting from power system flexibility**  
Michael Sillén, Greater Stockholm Energy Agency, Sweden

19.00 Evening programme



# Green Financing Workshop

## Green financing: unlocking the local energy transition

5 March 2020 | 14.00

The local energy transition requires investments! Although investment capital is often available in public and private funds, bridging the gap to concrete project implementation remains a big challenge. Having a toolbox of smart financing instruments and programmes unlocks possibilities. Learn, in this interactive session, which instruments work in what contexts and how they can be successfully applied in your region or city.

- **Smart financing: peer-to-peer learning in the Prospect project**  
Mia Dragović Matosović, Institute for European Energy and Climate Policy, The Netherlands
- **Opportunities for energy efficiency of the European Investment Bank**  
Assen Gasharov, European Investment Bank, Luxembourg

## A toolbox of financing instruments

- **"Superhomes" enabled by ELENA**  
Paul Kenny, Tipperary Energy Agency, Ireland
- **Facilitation services for scaling up green financing**  
Christine Öhlinger, OÖ Energiesparverband, Austria
- **Bigger is better: Bundling sustainable energy investments**  
Anna Camp Casanovas, Provincial Council of Girona, Spain
- **Let savings pay the bill: the Assen Service Costs Model for home renovation**  
Anna Krämer, Cities Northern Netherlands
- **Energy cooperatives: partners in the energy transition**  
Stanislas d'Herbemont, REScoop.eu
- **Be smart: blending funding and financing**  
Martin Kikas, Tartu Regional Energy Agency, Estonia
- **A digital platform to bridge the gap between investors and projects**  
Velimir Segon, North-West Croatia Regional Energy Agency, Croatia
- **"Smartening up" our city with energy efficiency revolving funds**  
Jaroslav Klusák, City of Litomerice, Czech Republic
- **Guaranteeing safety, health, comfort and affordability: LABEEF**  
Nicholas Stancioff, Funding for Future, Latvia
- **Supporting the roll-out of renewables through regional co-investment**  
Olivier Roussel, SEM Energies Hauts de France
- **Peer-to-peer learning session - Planning replication and roll out**

19.00 Evening programme

# Smart E-Mobility Conference

6 March | 09.00

## Strategy and Market Session: E-Mobility on the move

In 2020, e-mobility will really get going in Europe: car manufacturers will roll out many new models and important legislation from the Clean Energy Package for charging infrastructure will come into force. In this session, you will learn about how the energy transition in the mobility sector is progressing.

- **Opening and welcome**  
Gerhard Dell, OÖ Energiesparverband, Austria
- **European e-mobility policy initiatives**  
Saki Gerassis-Davite, European Commission, DG MOVE
- **The electric revolution - charged with opportunities**  
Jayson Dong, European Association for Electromobility (AVERE)
- **New mobility - new car factories**  
Ulrike Beyer, Fraunhofer Institute for Machine Tools and Forming Technology IWU, Germany

6 March | 10.30

## Innovation circle batteries: R&D trends, re-use, life cycle

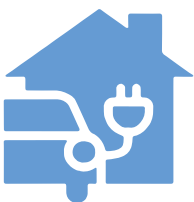
Where is the development of batteries for electric vehicles leading? Which materials and systems will prevail? What about life cycle considerations, recycling or reuse of batteries? This session gives answers!

- **EV batteries: R&D trends in materials and systems**  
Egbert Figgemeier, Forschungszentrum Jülich, Germany
- **Life Cycle Assessment of electric vehicle batteries**  
Lluc Canals Casals, IREC, Spain
- **Re-use of car batteries**  
Pia Alina Lange, European Industry Association for Advanced Rechargeable batteries (RECHARGE)

## Best Practice Session: Electrify your fleet

The energy transition in the mobility sector: Which actions lead us there? In our search for win-win scenarios, we can learn from ambitious companies that have already electrified their fleets and are now harvesting the benefits.

- **Experiences with electric fleets in the Netherlands**  
Roel Swierenga, Hansa Green Tours, The Netherlands
- **Increasing employee loyalty with EVs**  
Herbert Ortner, ÖkoFEN, Austria
- **Free2Move Business - comprehensive services for fleets**  
Daniel Worthmann, Free2Move, France
- **E-vans and e-trucks - first real-life experiences**  
Franz Weinberger, MAN Truck & Bus, Austria
- **Business models for electric company fleets in practice**  
Stefan Baumann, The Mobility House, Germany



# Technical Site Visits

6 March 2020

6 March | 13.30



## Technical site visits: Energy efficiency

- An afternoon trip to energy efficiency projects in the surrounding area.
- An opportunity to gain first-hand information and discuss specific questions on-site with the technology providers, planners and operators
- Learn more about energy efficient technologies, buildings and projects in Upper Austria.
- Bus tour from 13.30 – 18.00



# Young Energy Efficiency Researchers Conference

4 March 2020 | 14.00

- **Opening and welcome**  
Gerhard Dell / Christiane Egger, OÖ Energiesparverband
  - **Increasing energy efficiency of multi-storey buildings**  
Annekatriin Koch, Technical University of Darmstadt, Germany
  - **Building typologies to assess retrofit measures for apartments**  
Charlotte Verhaeghe, University of Antwerp, Belgium
  - **Combining traditional bioclimatic elements with zero energy architecture**  
Jovana Stanišić, University of Novi Sad, Serbia
  - **Evaluating the performance of energy efficiency projects for low income households**  
Stella Sousa / Pablo Dadalti, State University of Campinas, Brasil
  - **New cascade design technique for higher efficiency ORC systems**  
Noémie Chagnon-Lessard, Université Laval, Canada
  - **Latent heat storage system for peak shaving: integration and design**  
Alexis Sevault, SINTEF Energy Research, Norway
  - **A novel domestic sorption storage system: modelling and simulation**  
Nayrana Daborer-Prado, University of Applied Sciences Upper Austria
  - **Measuring the spectral response of irregularly shaped PV devices**  
Anthony Peters, University of North Dakota, USA
  - **Varying weather conditions: stabilising PV electricity with a quasi z-source inverter**  
Kah Haw Law, Curtin SDN BHD, Malaysia
  - **Testing the energy performance of PV shading devices**  
Mai Marzouk, Ain Shams University, Egypt
  - **HVAC performance comparison using a triple criteria evaluation method**  
Norbert Harmathy, Budapest University of Technology and Economics, Hungary
  - **Instruments for spatial energy potential analysis and promotion of renewable energy**  
Daniel Youssef, Vienna University of Technology, Austria
  - **Governmental support schemes for energy efficiency measures: use and satisfaction**  
Christian Schneider, University of Stuttgart, Germany
  - **Non-recyclable, multi-layered plastic waste: an energy alternative for cement factories**  
Naveen Yalagalawadi Somashekaraiah / Priyanka Jariwala, Saahas, India
  - **Hybrid sorption-compression chillers for energy-efficient industrial processes**  
Valeria Palomba, CNR ITAE, Italy
  - **Improving the efficiency of electric water heaters with energy management**  
Paseka Mabina, Council for Scientific and Industrial Research, South Africa
  - **Demand-side flexibility and peer-to-peer energy trading: renewable energy communities**  
Lurian Pires Klein, University of Coimbra, Portugal
  - **Model parameters for a proton exchange membrane fuel cell system**  
Mohsen Kandidayeni, Université du Québec à Trois-Rivières, Canada
- Chairperson:** Gerald Steinmaurer, University of Applied Sciences Upper Austria

19.00 Evening programme



# Tradeshow "Energiesparmesse"



4 - 8 March 2020

## A leading European sustainable energy tradeshow

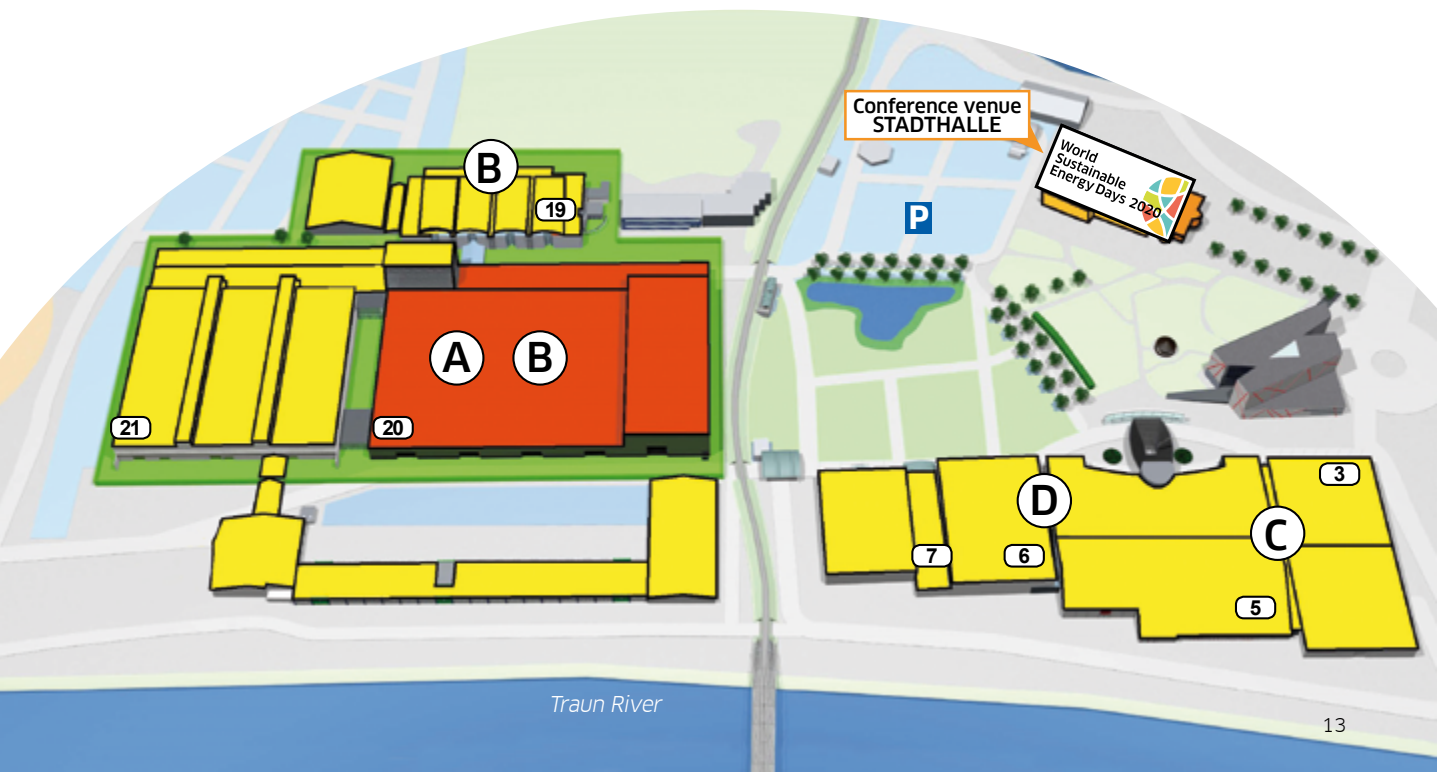
- 1,600 exhibiting companies
- 100,000 visitors, including over 30,000 professional visitors
- strong focus on innovative solutions for sustainable heating and on efficient building construction and renovation
- Austrian companies present their latest product innovations

## Practical information

- Wednesday, 4 March to Sunday, 8 March  
opening hours: 9.00 - 17.00
- Conference participants can enter the fairgrounds for free with their name tag on the conference days.

## Tradeshow highlights

- Ⓐ Stand of the ÖÖ Energiesparverband with comprehensive information for homeowners, businesses and municipalities, the special exhibitions on "sustainable heating", "building materials" and "E-Cars & smart home"
- Ⓑ Biomass boilers and stoves, PV, solar thermal, heat pumps, ventilation systems: Halls 19-20
- Ⓒ Insulation materials: Halls 3-5
- Ⓓ Windows: Halls 5-7





# The World Sustainable Energy Days 2020

**600 experts,  
66 countries,  
6 thematic conferences,  
1 mission:  
the clean energy transition**

**[www.wsed.at](http://www.wsed.at)**





## Upper Austria - a leader in the clean energy transition

Upper Austria, one of Austria's nine regions, is a leader in the clean energy transition, making the region an ideal location for this conference. Through significant increases in energy efficiency and renewable energy, greenhouse gas emissions from buildings were reduced by 37 % in 10 years. 60 % of all space heating and 31 % of the primary energy in Upper Austria already come from renewables. Over 2 billion Euro are invested annually in the energy transition.

## The conference organiser OÖ Energiesparverband

The OÖ Energiesparverband (ESV) is the energy agency of Upper Austria. The agency, which was established by the regional government, drives the energy transition by promoting energy efficiency, renewables and innovative energy technologies. It provides comprehensive services to private households, businesses of all sizes and municipalities. It also supports energy technology companies in the context of the Cleantech-Cluster.

## The audience - the whole energy transition sector!

A wide range of business actors engaged in the energy transition:

- technology and equipment companies, energy companies, service providers, planners, developers, financing community etc.
- the sustainable energy research community
- representatives from public bodies (e.g. EU institutions, national, regional and local governments, energy agencies)

**The World Sustainable Energy Days attract over 600 participants from over 60 countries!**

## Practical information

### Conference fees

All fees include entrance to the tradeshow and conference documentation.

- 330 Euro for the European Energy Efficiency Conference (4 - 6 March)
  - 110 Euro each for the conferences: Young Energy Researchers (4 - 5 March), Industry (5 March), E-Mobility (6 March)
  - 360 Euro for all WSED conferences (4 - 6 March)
  - 440 Euro for all WSED conferences and the visits (3 - 6 March)
  - For student fees see [www.wsed.at](http://www.wsed.at)
- All fees plus 10 % VAT

### Conference venue

Stadthalle Wels, Pollheimerstrasse 1, 4600 Wels, Austria

### Conference languages

Simultaneous translation in English and German

# European Energy Efficiency Conference 2020

4 - 6 March 2020  
Wels, Austria

400 participants  
50 countries  
60 speakers



## Conference office

OÖ Energiesparverband  
Landstrasse 45, 4020 Linz, Austria  
Tel. +43/732/7720-14386  
office@esv.or.at, www.esv-en.at,  
www.wsed.at

## Registration

Online at [www.wsed.at](http://www.wsed.at)

## How to reach Wels?

- by railway: direct connections from Vienna and Vienna airport, Linz, Salzburg, Munich, Paris, Brussels, etc.
- by road: A1 and A25 motorways
- by air: airports in Linz (17 km from Wels), Vienna (222 km), Salzburg (110 km), Munich (247 km)



Federal Ministry  
Transport, Innovation  
and Technology

Federal Ministry  
Republic of Austria  
Sustainability and Tourism



REVOLVE

