



TECXPOR
Austrian Technology Competence



Austrian Technology Days

China 2024 | Hong Kong



Austrian Technology Competence
at a glance

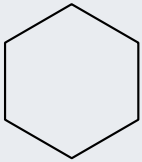
www.tecxport.at

 **Federal Ministry**
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology



Austrian Technology Days 2024

Focus Sectors: Smart Mobility and Sustainable Construction



Date: 22.3.2024

Location: Hong Kong

The Austrian Technology Days China 2024 are an information and networking event that take place in Chongqing and Foshan from March 16-21 and in Hong Kong on March 22, 2024. This event will showcase and connect Austrian RTI-stakeholders and companies in the areas Smart Mobility and Sustainable Construction to potential partners in Hong Kong.

The Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology - BMK, the Austrian Research Promotion Agency - FFG, and ADVANTAGE AUSTRIA - WKO join forces to organize the Austrian Technology Days 2024. Technologies and innovations from Austria will be presented and RTI-stakeholders and companies will have the opportunity for networking with potential partners in Hong Kong.

The focus of the Austrian/China Technology Days is on innovative Austrian technologies. Austrian RTI-stakeholders and companies will participate to present their future oriented solutions for the growing mobility and construction challenges in Hong Kong and build new connections with local partners and some of Austria's experts and best market-ready technology providers in the fields of smart mobility and sustainable construction solutions. Additionally, an exciting lineup of company presentations and engaging business meetings with Austrian technology providers will take place during the event.

The event has a focus on the building sector, namely digitalisation, renovation, energy efficiency, sustainable construction, multi-storey timber hybrid buildings as well as smart mobility, namely smart traffic systems, toll systems, construction site protection, pedestrian protection smart safety concepts, disaster protection, collection, use and exchange of data.

Local Partners



TECXPOR Partners in Austria

The Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK) sets the course for a sustainable and climate-friendly policy and economy. It also promotes research and the provision of innovative technologies "Made in Austria". Within the framework of BMK's bilateral activities the opportunity for RTI-stakeholders and companies is given to network with potential partners and therefore find new promising partnerships for common projects in the field of research and innovative technologies.

The Technology Office in China was established on behalf of the Austrian Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK) since the beginning of 2020. One of the main tasks of the office is providing support for Austrian RTI-stakeholders and companies to connect with potential partners from China for common projects in the field of research and innovative technologies. In addition, the office acts as an observer for research, technology and innovation policy developments in its geographical administrative districts. Besides national level cooperation, the office also supports provincial and municipal cooperation in the areas of spaces, climate protection, environment, mobility and energy.

The Austrian Research Promotion Agency (FFG) is the national funding agency for industrial research and development in Austria. Research, development, and innovation are central drivers for economic, technological and social development. Businesses that undertake research grow faster, achieve higher export rates and create more employment. The FFG applies a wide variety of measures to support structural change in Austria.

ADVANTAGE AUSTRIA is Austria's official Trade Promotion Organization and part of the Austrian Federal Economic Chamber. With its about 100 offices in over 70 countries, ADVANTAGE AUSTRIA provides a broad range of intelligence and business development services for both Austrian companies and their international business partners. It promotes products and services of Austrian businesses and helps companies and organizations outside Austria to build strong relationships with Austrian companies and to foster the exchange of the world's and Austria's best minds and innovations.

Organizers

 Federal Ministry
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology



Ambassador of Austria to the People's Republic of China and Mongolia

Andreas Riecken

Andreas Riecken took up his post as Ambassador of Austria to the People's Republic of China and Mongolia on 1 August 2021.

Mr. Riecken holds a university degree in law as well as a PhD in law from the University of Graz.

In 1994, Mr. Riecken joined the Austrian Ministry of Foreign Affairs, where he held a number of executive functions, including Head of the Department for International Organizations (2016-2018), Director-General for EU and Multilateral Affairs (2018-2020) and Director-General for Europe and Economic Affairs (2020-2021).

He served at the Austrian Embassies in Brussels, Helsinki, Washington D.C. (Deputy Head of Mission) and at the Mission of Austria to the United Nations in New York (Deputy Permanent Representative).

Mr. Riecken is married to Elisabeth Riecken with four children.



Andreas Riecken

Ambassador Extraordinary and Plenipotentiary to China and Mongolia

Speaker | Organiser

Alexander Unkart

Alexander Unkart works in the EU and international co-operation field at the Innovation Department, Austrian Federal Ministry Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK).

Since September 2008, Alexander Unkart is responsible for international co-operation within the innovation department at the BMK. Mainly he focusses on establishing applied research and technology transfer co-operations with non-EU countries in order to foster long-term cooperation between foreign and Austrian technology and innovation stakeholders.

During his stay at the Federal Ministry Alexander Unkart also served as a visiting expert the Offices of Science & Technology Austria (OSTA) at the Embassies auf Austria in Washington, DC and Beijing. Before joining the ministry, he worked at the Austrian Patent Office.

Alexander Unkart holds a law degree from the University of Vienna.



Alexander UNKART

Deputy Director Task Force of EU and International Innovation and Technology at the Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation and Technology (BMK)

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ATD B2Match Profile:

<https://atd-cn-hk.b2match.io/participants/20>

Speaker | Organiser

Iraklis Agiovlasis

Iraklis Agiovlasis leads the Business and Innovation Unit within the European & International Programmes division at the Austrian Research Promotion Agency (FFG). Boasting over two decades of expertise in innovation, internationalization, strategy consulting, and research management, he has also made significant contributions to the international technology transfer landscape for more than a decade in his capacity as Coordinator of the Enterprise Europe Network services across Austria and Greece.

He currently serves as the National Contact Point for the European Innovation Council and the European Innovation Ecosystems under Horizon Europe. His efforts are dedicated to fostering the growth of European businesses, enhancing the innovation ecosystem, and facilitating connections among various stakeholders in the R&D value chain on a regional, national and international level.

He is a co-founder of two companies, a business coach, and an experienced trainer in R&D project management and innovation management and holds a PhD in Chemical Engineering, specializing in data analytics and algorithmic modelling, from the National Technical University of Athens, Greece.



Iraklis AGIOVLASITIS

Head of Unit Business and Innovation European & International Programmes division at the Austrian Research Promotion Agency (FFG)

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ATD B2Match Profile:

<https://atd-cn->

[hk.b2match.io/participants/13](https://atd-cn-hk.b2match.io/participants/13)

Speaker | Organiser

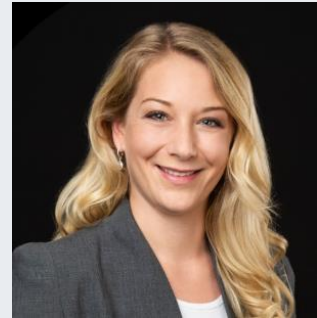
Jennifer Veigel

Jennifer Veigel is an Austrian economic diplomat with a deep understanding of international business. Currently, she serves as the Austrian Trade Commissioner for Hong Kong and Macau, a role she has held since August 2023.

From 2010 to 2018, she held deputy trade commissioner posts in Singapore, Shanghai, and Chicago, showcasing her adaptability across diverse economic and cultural landscapes. Prior to her current role, she worked at corporate communications at the ADVANTAGE AUSTRIA headquarters in Vienna from 2019 to 2023, where she introduced several new communication channels and products.

In addition to her work at ADVANTAGE AUSTRIA, Ms Veigel shared her expertise as a part-time lecturer for "Economic Diplomacy" at the IMC University of Applied Sciences Krems from 2020 to 2023.

Jennifer Veigel holds a Master's degree in "Export-Oriented Management EU-ASEAN-NAFTA".



Jennifer VEIGEL

Austrian Trade Commissioner for
Hong Kong and Macau

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ATD B2Match Profile:

<https://atd-cn->

[hk.b2match.io/participants/70](https://atd-cn-hk.b2match.io/participants/70)

Key Note Speaker

Susanne Formanek

Susanne Formanek is Managing Director of the GRÜNSTATGRAU innovation laboratory, co-founder and board member of the RENOWAVE innovation laboratory, initiator of many projects in the green building sector and has been President of the IBO, the Austrian Institute for Building Biology and Ecology, an independent, non-profit, scientific association, since 2017.

Susanne studied wood management at the University of Natural Resources and Applied Life Sciences in Vienna. She is active in business since 1990 with a professional experience in the construction industry as an entrepreneur.

Her thematic background includes i.a. sustainable energy-efficient construction (green building) and housing, structural measures, building biology and material ecology and efficiency, digitalization of the construction industry, smart city and open innovation, nature-based solutions such as building greening, transformation of the energy system towards energy intelligence etc.



Susanne FORMANEK

CEO at IBO Verein
Managing Director
GRÜNSTATGRAU

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ATD B2Match Profile:

<https://atd-cn->

[hk.b2match.io/participants/9](https://atd-cn-hk.b2match.io/participants/9)

Key Note Speaker

Stefan Seer

In an era where climate change and sustainable development goals challenge traditional mobility systems, the motivation to innovate has never been more pressing. Recent developments in cutting-edge technology and new mobility services merge with real-time data analysis to optimize traffic flow, reduce congestion, and minimize travel times.

This keynote will present the evolving landscape of transportation with a focus on shared, connected, cooperative, and automated mobility, where vehicles communicate seamlessly with each other and with infrastructure to enhance safety and efficiency on the roads. By offering convenient and flexible transportation options tailored to individual preferences, Mobility-as-a-Service initiatives and platforms have gained in popularity bearing a transformative potential through their links to data platforms for demand and supply management. Novel 15-min city paradigms shape the urban fabric as well as the accessibility for everyone by designing active and sustainable mobility solutions that cater to diverse needs and abilities, fostering equity in transportation.

The presentation will also highlight strategies for pedestrian and crowd management to optimize the usage of transport infrastructures at metro stations and multimodal transport hubs. To increase resilience, computational tools are applied to support the development and testing of emergency evacuation plans, prevent critical situations and ensure swift and coordinated responses to crises.

Join us as we explore innovations from Austria shaping the future of mobility for generations to come.



Stefan SEER

A senior mobility expert at the AIT Austrian Institute of Technology (Vienna, Austria) with over 15 years of experience in heading interdisciplinary applied research groups and managing complex projects with stakeholders from academia, the public and private sector across continents.

He is also a Research Affiliate at the SENSEable City Lab at the Massachusetts Institute of Technology (MIT)

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ATD B2Match Profile:

<https://atd-cn-hk.b2match.io/participants/12>

Austrian Institute of Technology (AIT)

Digital Resilient Cities & Regions

About us

AIT is Austria's largest Research and Technology Organisation (RTO) and an international key player in many of the research areas we cover. AIT is an independent, know-how partner that develops cutting-edge urban management and planning solutions. This makes us a leading development partner for the industry and a top employer within the international scientific community. Within the AIT, the "Digital Resilient Cities" unit is pioneering new ways to plan and realize the sustainable, smart and resilient habitats of tomorrow.

Our services:

- Artificial Intelligence (AI) -driven Urban Planning
- Participatory Urban Resilience Planning
- Evidence-based Urban Strategy Workshops
- Smart Mobility and multi-modal Impact Assessments
- Crowd Management and Evacuation Plans
- Circular by Design for Cities, Buildings and Products
- Process Development for Modular Retrofit Designs of Buildings

AIT's City Intelligence Lab is an interactive digital platform to explore novel techniques for the urban development practice of the future. As incubator for intelligent solutions, it fosters the co-creation of digital planning workflows, novel simulations, augmented reality and interactive design interfaces, generative designs, and AI solutions.



AIT Austrian Institute of Technology GmbH

www.ait.ac.at

Technology – Keywords

Smart Mobility
 Impact Assessment
 Integrated Planning
 Stakeholder Involvement
 Crowd Management
 Circular Construction
 Building Information Modeling
 Virtual Design and Construction



Stefan Seer

Lead "Urban Development & Mobility Transformation"

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ATD B2Match Org. Profile & Marketplace:

<https://atd-cn-hk.b2match.io/participants/12>

BIMEXPERTS GmbH

We make every building think!

Details of Technology

BIMEXPERTS GmbH is an innovative company that specializes in Building Information Modeling (BIM) and works closely with rtech Engineering, a renowned planning office for technical building equipment. Together we offer tailor-made BIM solutions for construction projects and architectural practices around the world.

Our expertise extends from creating and maintaining 5D models to coordinating BIM projects and implementing BIM into existing workflows. In addition, we have specialized in the product development of digital twins, which enables our customers to precisely visualize and optimize their buildings and technical infrastructure in virtual form. Here we use the TGA concept developed with Unity, an innovative solution that enables seamless integration of technical building equipment (TGA) into the BIM model and very easily make our calculations with CALCTOOLS for optimizing building efficiency. Additionally, we use state-of-the-art point cloud technology to integrate precise and detailed 3D scan data into our BIM models. These point clouds provide precise information about existing building structures and systems and enable us to plan and implement construction projects even more precisely and efficiently.

We combine BIM competence with technical building equipment. Our common goal is to drive digital transformation in the construction industry and help our customers realize more efficient, higher quality and more sustainable construction projects, to take the construction industry into the future.

Business/Cooperation Proposal

Buyers, license partners, commercial agents, Re-seller/wholesaler

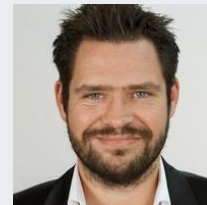


BIM Experts GmbH

www.bimexperts.com/en

Technology - Keywords

Building Information Modeling (BIM)
 BIM Consulting and Management
 Calculations
 BIM Modeling and Engineering
 BIM Training
 3D Laser Scan
 Software Development
 Technical building equipment (TGA)



Michael Resch

CEO, Managing Director

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ATD B2Match Org. Profile & Marketplace:

<https://atd-cn-hk.b2match.io/participants/8>

Cable Liner®

Defining efficiency for the passenger transportation industry

Details of Technology

The Cable Liner®, a premium Automated People Mover (APM), is an efficient and innovative transit solution used at airports and in urban applications for distances typically up to 6 km. The rope-propelled and rail-based system is one of the safest mobility solutions worldwide. It is designed for operation during extreme weather conditions and high wind speeds, providing highest reliability levels.

The custom-tailored APMs utilize noise reduction to provide passenger comfort and to integrate our systems with minimal impact on the environment. Our technology was developed over decades and has been proven to be durable. All APMs operate in a fully automatic mode and are supervised via a central control room. In combination with a low maintenance requirement, this generally allows for a lower staff complement. Compared to other people movers, the Cable Liner® system is not only environmentally friendly, but also cost-effective.

Business/Cooperation Proposal

We supply tailored rope-propelled APM systems and offer comprehensive services, from design, creation and installation to maintenance and operation. We provide high-quality and flexible concepts, individual system design, and perfect handling of special requirements.

All the way through to the operational stage and the entire system lifecycle, we are a reliable partner and operate ropeway systems worldwide. Together with the client, we define the scope of the service contract and create the specific technical and business framework. Next to the technical operation and maintenance of the system, we offer various other services such as Customer Experience Management or Fixed Facility Services.



Doppelmayr Cable Car GmbH

As a subsidiary of the Doppelmayr Group, we supply custom APM systems and provide Operations Services worldwide.

www.doppelmayr.com

Technology – Keywords

Transit and urban
 Automated People Mover
 Rope-propelled technology
 Green technology
 24/7/365 performance
 High reliability
 Top passenger experience
 Customized design



Dalibor Vodenicarski

Dalibor is an MBA-educated Engineering and Operations Professional with extensive experience in project management, M&E engineering maintenance, logistical operations, and budget management. Currently, he serves as the Senior Operations and Maintenance Manager at Doppelmayr Macao Ltd, overseeing the cable car system Wynn Palace SkyCab.

ATD B2Match Org. Profile & Marketplace:

<https://atd-cn-hk.b2match.io/participants/41>

Full Comfort Technology (Group) Limited

Providing a range of solutions for water quality improvement and environmental solutions for households to hotels and even commercial to industrial entities.

Details of Technology

MEGA Automation was founded in 2013 by a group of building professionals, engineers, and research scientists. We are dedicated to serving the building communities by applying emerging technologies into the building engineering discipline, facilitating the buildings from design stage to operation and maintenance. Our vision is "to build human and environmental centric products".

Business/Cooperation Proposal

We offer a series of smart building applications on top of the legacy building systems, and provide various solutions to our clients with our Cloud platform. The cloud-based software platform connects the control and monitoring systems of a building, from HVAC, lighting, electricity systems and up to sensors. By adopting the artificial intelligence technology and big data analysis on our platform, we have proven records in enhancing the energy efficiency of building equipment, raising the productivities of management, achieving the green compliance towards a sustainable and smart city development. We have been working on more than 300+ building automation projects in Hong Kong, scaling from smart home / office solutions to building level control and monitoring systems.



Full Comfort Technology (Group) Limited

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<https://www.grandertechnology.com/>

Technology – Keywords

Building automation
 Building technologies
 Energy efficiency (zero-plus-passive buildings)
 Energy supply systems, self-supply, smart grid
 Hybrid building construction
 Research and development
 Smart city and urban planning
 Smart home and home automation
 Bio Fuels Hydrogen
 Internet of Things Smart Cities



Kevin Tam,

CEO at Full Comfort Technology (Group) Limited

ATD B2Match Org. Profile & Marketplace:

<https://atd-cn-hk.b2match.io/participants/32>

IBO Association

Austrian Institute for Building Biology and Ecology

About us

The IBO - Austrian Institute for Building Biology and Ecology - is an independent, non-profit, scientific association that researches the interactions between people, buildings and the environment. Private individuals, experts and companies who are concerned about ecological building and healthy living can support the IBO with their membership.

IBO - Austrian Institute for Building and Ecology GmbH was founded in 1997. In addition to research and knowledge dissemination, the departments offer a wide range of services such as material ecology (Product testing, life cycle assessments and EPDs of building materials, building product management); building assessments; building physics (Building constructions and construction methods, building simulations, sound insulation and acoustics, moisture damage) and Measurements (Sound measurements, moisture measurements, comfort & comfort measurements).

GRÜNSTATTGRAU promotes building greening as building optimization and is THE competence center for building greening, which is 100%, owned by the Association for Building Greening.

RENOWAVE.AT is the innovation laboratory for climate-neutral renovations and is funded by the Federal Ministry for Climate Protection, Environment, Energy, Mobility, Innovation and Technology (BMK) as part of the "City of the Future" program and by the FFG. The focus is on serial prefabrication, the use of recyclable raw materials and the integration of building greening.

IBO - Austrian Institute for Building Biology and Ecology

www.ibo.at

GRÜNSTATTGRAU Research- and Innovations GmbH

www.gruenstattgrau.at

RENOWAVE.AT e.G.

www.renowave.at

Technology – Keywords

Building technologies
 Climate protection
 Construction components and materials
 Research and development
 Smart city and urban planning
 Wood and timber constructions



Susanne Formanek

CEO at IBO Association

ATD B2Match Org. Profile & Marketplace:

<https://atd-cn-hk.b2match.io/participants/9>

Parastruct GmbH

USP: We combine advanced manufacturing with our circular material platform to produce fully recyclable components that can be reused in our manufacturing technology after their lifetime.

Details of Technology

Our core technology consists of a recyclable material platform with which different products can be manufactured depending on the filler (waste material) and binder content. The first recyclable products are solutions for mould making, imprinted conventional components, acoustic panels, 3D interior wall cladding, free-form facades, etc. Another aspect is our high-speed 3D printing system, which we have specially designed for waste materials. This 3D printing process currently delivers the best resolution and product quality in the construction industry. In addition, the components from our material platform are entirely recyclable at the end of their lifetime, which means we can also recover the binder. The materials can be used again as 3D printing material after the recycling process we have developed. Our recycling process is straightforward and can make the materials usable again. The components manufactured in this way are fully recyclable. We offer our customers waste valorisation as a service. Based on the customer's waste materials, we develop recyclable material mixtures and product business cases from them. The customer can decide whether he wants to integrate a 3D printing system into his production processes or whether we will take the waste material from him and recycle it ourselves. If the customer wants to implement a 3D printing system in his production, we develop the entire process to the product. The customer makes a one-off payment and ongoing license fees to us.

Business/Cooperation Proposal

We are looking for cooperation partners and licensees for our technology in the construction, steel (slag), wood, refractory and mining industries. We are also looking for investors who are familiar with the local economy.

ParaStruct

Parastruct GmbH

Circular economy and decarbonization for the construction industry and beyond.

www.parastruct.org

Technology – Keywords

Circular economy
 Large-scale high-speed 3D printing
 Decarbonization
 Functional components
 Fully recyclable components
 Material platform
 Upcycling mineral and biogenic waste



Georg Breitenberger

Founder and CEO
 Master builder and civil engineer, 25 years of experience in the construction industry and precast concrete industry, including 8 years in the development of 3D printing technologies for the construction industry. First 3D printing project at Yuntech University in Taiwan 2016.

ATD B2Match Org. Profile & Marketplace:

<https://atd-cn-hk.b2match.io/participants/31>

PlanRadar GmbH

Construction, Facility Management & Real Estate Platform

Details of Technology

PlanRadar software is a digital platform for documentation and communication suitable for the whole lifecycle of the construction project. It allows to store and view electronic design documentation, manage tasks and defects, communicate with subcontractors, collect statistics and plan the activities. PlanRadar mobile application allows end-to-end quality control during the construction phase and as well increases the efficiency of operational control at the facility after the project completion, saving cost and reducing downtime.

Today, over 150,000 professionals are using PlanRadar to track, connect and solve issues on- and off-site. The platform operates across the globe, currently in over 75 markets.

Business/Cooperation Proposal

PlanRadar is a business-to-business (B2B) software company.

PlanRadar has 17 offices around the world.

We believe digital does not mean giving up everything you already know: it's about making things easier.

Thousands of customers worldwide manage documentation, communication, task, and defect management through the PlanRadar app. Recognized as an award-winning product for the construction and real estate industry.

We are open to discussing different cooperation options to help digitalize construction, facility management, and real estate industries



PlanRadar

PlanRadar is an award-winning, digital SaaS field management platform for documentation, task management and communication in construction and real estate projects. PlanRadar digitises all daily processes and communication across real estate and construction.

www.planradar.com

Technology - Keywords

Field Management platform, SaaS, Construction, Facility Management, Real Estate, Digitalization, ESG, HSE, Fire Safety, BIM, Communication, Documentation



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ATD B2Match Org. Profile & Marketplace:

<https://atd-cn->

hk.b2match.io/participants/19

RIEGL

Ultimate LiDAR™ Technology for Applications in Surveying

Details of Technology

RIEGL is an international leading provider of cutting-edge technology in airborne, mobile, terrestrial, UAV-based, industrial, and topographic laser scanning solutions.

RIEGL has been producing LiDAR systems commercially for almost 40 years and focuses on pulsed time-of-flight laser radar technology in multiple wavelengths. RIEGL's core Smart-Waveform technologies provide pure digital LiDAR signal processing, unique methodologies for resolving range ambiguities, multiple targets per laser shots, optimum distribution of measurements, calibrated amplitudes and reflectance estimates, as well as the seamless integration and calibration of systems.

RIEGL's various 3D scanners offer a wide array of performance characteristics and serve as a platform for continuing "Innovation in 3D" for the LiDAR industry. From the first inquiry, to purchase and integration of the system, as well as training and support, RIEGL maintains an out-standing history of reliability and support to their customers.

Business/Cooperation Proposal

RIEGL offers a wide range of terrestrial laser scanners for applications like open-cast mining, monitoring, architecture, archaeology, etc. as well as a wide variety of solutions for mobile mapping and airborne surveying - from single scanner engines to high-performance scanning systems. Numerous extremely small and lightweight scanners are available for UAV-based data acquisition.



RIEGL Laser Measurement Systems GmbH

www.riegl.com

Technology – Keywords

3D Laser Scanners

LiDAR Systems

Surveying & Mapping



Liangxiao Zhu

Country Manager China

ATD B2Match Org. Profile & Marketplace:

<https://atd-cn->

[hk.b2match.io/participants/18](https://atd-cn-hk.b2match.io/participants/18)

Rubner Timber Engineering

Better with wood

Details of Technology

With production facilities across four countries (namely Austria, Italy, Germany and France), Rubner is a leading high-performance timber engineering company in Europe. We have the capacity to produce 85,000 m³ of glulam components, 10,000 m² of cross-laminated timber and 250,000 m² of roof and wall elements. All the timber sources are from sustainable managed forest and are certified by PEFC (Programme for the Endorsement of Forest Certification). As a family-owned timber construction company for almost a century, we believe that it is part of our responsibility to contribute to a greener world and achieve a more sustainable future for the next generation by working with wood, a natural and renewable building material. Our timber engineer professionals have spent many decades building our expertise and becoming a strong and reliable partner in the timber construction sector. We have a multitude of outstanding projects – residential housing, commercial and industrial buildings, multistorey buildings, infrastructure, sport halls, education centres and special projects. All projects have one thing in common: our experience and strength enable us to deliver premium quality timber construction projects around the world. We offer a full range of services from consulting services and support, engineering and design, production and prefabrication, delivery and on-site execution.

Business/Cooperation Proposal

We are looking for: Buyers, Suppliers, Manufacturers, Subcontractors, License partners, commercial agents, aftersales services, Investment/Finance, Re-seller/wholesaler, etc.

RUBNER
 Better with wood

Rubner Holzbau GmbH

www.rubner.com/en/timber-construction/about-us/

Technology – Keywords

Multi Storey Timber
 Buildings
 Glued-Laminated Timber
 (Glulam)
 Cross-Laminated Timber
 Timber and Glass Facades
 Complete Roof Solutions
 Building Envelope



Phyllis Chong

Business Development
 Director

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ATD B2Match Org. Profile &
 Marketplace:

<https://atd-cn-hk.b2match.io/participants/10>

SE-Rail GmbH

SKYEXPRESS: Transforming Transportation with Unique Solutions.

Details of Technology

SKYEXPRESS introduces a groundbreaking monorail system that redefines the future of transportation. Our innovative technology offers unparalleled flexibility, capacity, and sustainability. Utilizing advanced rail systems and autonomous control, SKYEXPRESS provides seamless public and cargo transportation solutions. With cabin sizes ranging from 3 to 30 people, our system caters to diverse needs while minimizing environmental impact. Integrated circular distributors, akin to roundabouts, ensure efficient traffic flow and connectivity, optimizing the overall transport network. Operating on a demand-responsive basis, SKYEXPRESS ensures that every trip is tailored to specific needs, enhancing efficiency and reducing energy consumption. From urban centers to rural landscapes, SKYEXPRESS is revolutionizing mobility worldwide.

Business/Cooperation Proposal

At SKYEXPRESS, our primary goal is to establish partnerships with forward-thinking customers at governmental and industrial levels who are eager to implement our revolutionary monorail system. By integrating our cutting-edge technology into their infrastructure, these partners can unlock unprecedented efficiency, sustainability, and connectivity for their communities and industries. Additionally, we welcome investment from visionary stakeholders who share our passion for transforming the future of transportation. Together, let's collaborate to revolutionize mobility on a global scale while creating compelling investment opportunities for our partners.

Technology - Keywords

Monorail System
 Autonomous Control
 Sustainable Transportation
 Advanced Rail Systems
 Flexible Cabin Sizes
 Public and Cargo Transport
 Urban and Rural Mobility
 Environmental Impact Mitigation
 Smart Infrastructure
 Future of Transportation
 Demand Controlled
 Round About



Team Information

A dynamic team of innovators driving forward the SKYEXPRESS project. With diverse expertise in engineering, technology, and project management, our team is dedicated to shaping the future of transportation.

ATD B2Match Org. Profile & Marketplace:

<https://atd-cn-hk.b2match.io/participants/26>



SE-Rail GmbH

SKYEXPRESS is pioneering an innovative monorail system, revolutionizing transportation for both people and goods globally.

www.SE-Rail.com

Shadowmap Technologies GmbH

The Sun for Everyone.

Details of Technology

Shadowmap is a global, fast and reliable integrated tool/map for sunlight and shadow visualization. Based on worldwide 3D buildings and terrain data, we aim to immediately provide the best answer to any question related to solar radiation. For any moment in time, anywhere on Earth.

The technological framework allows for precise solar shadows based on realistic 3D data and the time-dependent position of the Sun in the sky. This happens within a very intuitive user interface, in real-time, directly in your browser window or our iOS App, making the process simple, quick, reliable and shareable. Upon request, lately, we added a complete feature set to modify and customize 3D data within Shadowmap, making it a fitting tool for urban planning, architecture and real estate developers.

Business/Cooperation Proposal

We offer platform integrations to use Shadowmap functionality for real estate sales visualization, architectural planning and solar potential analysis. In addition, we are open to collaborations like sponsored content within our map application (placeable exterior shading modules, solar panels, etc. to reach potential buyers).



Shadowmap Technologies GmbH

Development and distribution of software for interactive visualization and analysis of solar shading.

www.shadowmap.org

Technology – Keywords

Sunlight and shading visualization and analytics, web-based browser solution
 Solar energy site evaluation, real estate sales, urban planning, exterior shading, photography and event planning



Georg Molzer

Georg, a creative mind and tech enthusiast, has co-founded ventures like kiweno, a health tech platform used by over 10,000 customers. With a knack for design, he led mobile design at Jumio Inc. before he decided to tackle the digitalization of our solar system's greatest energy source with Shadowmap.

Michael Olea

michael.olea@shadowmap.org

ATD B2Match Org. Profile & Marketplace:

<https://atd-cn-hk.b2match.io/participants/29>

Skidata Parking Systems

Smart Parking Solutions and People Access Management Systems

Details of Technology

SkiData specializes in providing comprehensive access control solutions, including SkiData parking systems and event access systems, peripheral equipment integration, management software, and installation and maintenance services.

SkiData is committed to staying at the forefront of technology, actively seeking opportunities for new developments and product enhancements that greatly improve operational efficiency and customer experience. SkiData has been a pioneer in the adoption of Electronic Payment Systems (E-Payment) for parking charge payments in Hong Kong. It was the first company in Hong Kong to integrate Octopus Card and Credit Card payment methods into the car park access control system. Additionally, SkiData introduced several groundbreaking systems in Hong Kong, including the first Centralized Control System, Redemption Management System, Car Searching System, Pre-booking System, and Multi-function Kiosks. These innovations include the first mobile phone APP for car parking applications in Hong Kong.

Business/Cooperation Proposal

We are looking for Suppliers, Subcontractors, Aftersales Services, Demonstration Projects, etc.

SKIDATA[®]
 K U D E L S K I G R O U P

Skidata Parking Systems Limited

www.skidata.com.hk

Technology – Keywords

People Access
 Management System
 (PAMS)
 Carpark Access Control
 System (CACS)
 License Plate Recognition
 System (LPRS)
 Long-Range RFID System -
 Centralized Management
 System (CMS)
 Bay Guidance System
 (BGS)
 Car Searching System (CSS)
 Mobile App Redemption
 and Payment System
 re-booking / Parking Space
 Reservation System -
 Contactless/Ticketless
 Solutions - Multi-function
 Self-Service Kiosk - Video
 Analytics Solutions

Contact Information

Nelson Ng

General Manager

enquiry@skidata.com.hk

ATD B2Match Org. Profile &
 Marketplace:

<https://atd-cn-hk.b2match.io/participants/15>

Synthetic Dimension GmbH

Scan entire buildings in just minutes

Details of Technology

The future of Scan to BIM has arrived.

With Metaroom by Amrax you can scan entire buildings in just minutes with your iPhone or iPad to get 3D digital twin model for BIM software. Create accurate and parametric 3D room models with your iPhone or iPad and use them in various CAD programs.

Our solutions enable AECO / BIM experts to be more efficient and allow for up to 90% faster measurement.

Save your company's resources by digitizing buildings in minutes.

Business/Cooperation Proposal

We are looking for resellers and strategic partners

<https://amrax.ai/industries/building-information-modeling/>

Technology - Keywords

Building Information

Modeling (BIM)

Scan-to-BIM

Facility Management

Metaroom® App

Metaroom® Studio

Architecture and interior design

Building Information

Modeling

Wireless Network and Light

Planning



Martin Huber, CEO

Hans Schlick, CFO, COO

office@amrax.ai

ATD B2Match Org. Profile &

Marketplace:

<https://atd-cn->

[hk.b2match.io/participants/5](https://atd-cn-hk.b2match.io/participants/5)

AMRAX 

Synthetic Dimension GmbH

www.amrax.ai

Vienna Consulting Engineers ZT GmbH

An independent, high tech oriented consulting firm

About Us

VCE Vienna Consulting Engineers ZT GmbH is an independent, high tech oriented consulting firm with its head office in Austria. The company operates in four principal lines of business:

- The transportation sector (including bridges, tunnels and railways)
- The building and industrial sector (general design and management as well as specialized technological expertise)
- The development sector (from research and development to feasibility and environmental studies, financial engineering, to development aid)
- The structural health identification (BRIMOS®) and Life Cycle Engineering

To date, over 6000 contracts have been successfully completed in 69 countries worldwide with larger, more exciting projects currently underway.

VCE is certified as meeting the requirements of ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018

Business/Cooperation Proposal

Services: Assessment and management of offshore structures | Bridge design | Railway engineering | Civil Engineering | BIM Projects

Technology - Keywords

Digitalization and process management

Engineering and planning

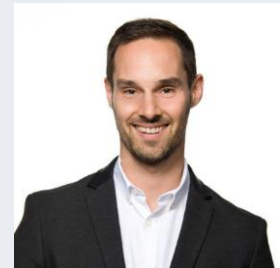
Hybrid building construction

Research and development

Smart city and urban

planning

Tunnelling



Jürgen Rattenberger

Innovation Management

ATD B2Match Org. Profile & Marketplace:

<https://atd-cn-hk.b2match.io/participants/23>



VCE Vienna Consulting Engineers ZT GmbH

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Creating Light Creates Timelessness

Lighting solutions by Zumtobel provide the key to tomorrow's architecture

Core principles for sustainable architecture lighting

Zumtobel pursues three core principles for sustainable architecture lighting. Firstly, Active Light prioritizes holistic quality for users' needs. Secondly, Connected Architecture supports buildings that are constantly learning, reducing energy use, and optimizing processes. Thirdly, Human Sustainability seeks a balance between economic building operation and mindful resource and human needs.

We take a holistic approach to sustainability

Our understanding of light is holistic, creating solutions not only energy-efficient but also with timeless aesthetics and reusable components. Resource conservation includes energy-efficient production, operations and bulk packaging. Circular Design Rules govern luminaires since 2021, with ARTELEA holding Cradle to Cradle® Bronze Certification.

Maintenance and upgrades with refurbishment kits, and Circular Services extend to take-back, reuse, refurbishment, or high-value recycling (TECTON pilot project with EUROSPAR/carla). Lighting as a Service (LaaS) promotes sustainable architecture. Established partnerships, such as with Concular, contributing to the circular economy.

Zumtobel maintains EPDs since 2012, ensuring transparency and comparability through its own audited process. Suppliers and local supply chains undergo audits. Acoustic elements, like TRAMA0 and CIELUMA, aid material reduction in buildings. GWP analysis in ecoCalc calculations and participation in global green building certifications underscore Zumtobel's commitment to sustainability.



ZG Lighting Hong Kong Limited

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Technology – Keywords

Active light, circular economy, energy-efficient, high-value recycling, holistic, sustainable architecture, timeless aesthetics

ZUMTOBEL Group

The Zumtobel Group is an international lighting group and a leading supplier of innovative lighting solutions, lighting components and associated services. With its brands, Thorn, Tridonic and Zumtobel, the Group offers its customers around the world a comprehensive portfolio of products and services.

Mable Wong

mable.wong@zumtobelgroup.com