

SURPRIS

Austria – Hong Kong Technology Days 2022

INGLY

December 5 – 7, 2022 www.advantageaustria.org

INGENIOUS

AUSTRIAN TECHNOLOGY DAYS PARTICIPANTS

AS PER NOVEMBER 21, 2022



To book an 1:1 video meeting with any of the participants or to learn more about them, please register at <https://austrian-technology-days-hong-kong.events.tecxport.at/> or contact ADVANTAGE AUSTRIA Hong Kong Ms. Yvonne CHOI / Ms. Celistina PANG, hongkong@advantageaustria.org, T +852 2522 2388.

NAME | CONTACT | PRODUCT

FACTS

LOOKING FOR

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OFFER:

CONSTRUCTION/MOBILITY

Austria's largest research and technology organisation. Its "City Intelligence Lab" aims to become an international model for the urban planning processes of the future.

The AIT Austrian Institute of Technology, with over 1,300 employees, is one of Europe's leading research and technology organisations focusing on key infrastructure topics of the future.

AIT provides research and technological development for the next generation of infrastructure-related technologies in the fields of Energy, Mobility Systems, Low-Emission Transport, Health & Bio Resources, Digital Safety & Security, Vision, Automation & Control, and Technology Experience.

In addition to research, AIT provides a network of independent, urban expertise and develops cutting-edge urban management and planning solutions. They combine innovative processes with the latest digital planning tools using big data and Artificial Intelligence. Their urban planning tools are also applied in Singapore. Other solutions enable to collect and analyze traffic data and pedestrian flows (e.g. around construction sites: **Mobility Observation Box** & **EBE Smart Base solution**).

Research partners and customers for applied research and proven urban tech solutions.

AIT is Austria's largest research institute with proven research and tech solutions for urban challenges.

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OFFER: CONSTRUCTION

Architectural consultancies focus on residential and office developments as well as interior and landscape design.

Having completed more than 400 buildings, Baumschlager Eberle are among the most successful architects in the international arena. The quality of their work has won them notable recognition and numerous awards. The work of Baumschlager is also sustainable in the broadest sense of the term. Going far beyond energy and environmental issues, their notion of sustainability encompasses cultural, social and aesthetics values.

Founded in 2008, their Hong Kong office offers design expertise and considerable practical experience both locally and in Europe. Their reputation here is for high-quality architecture with a strong, distinctive identity and for fast, reliable service. They also offer office interior design solutions. Headed by Prof. Dr. Beisi Jia, they have also implemented numerous projects in Hong Kong and in South China that are sustainable and economically efficient.

Clients or partners for architectural consultancy services.

Baumschlager Eberle designs buildings and offices in Hong Kong and South China that are sustainable in the broadest term.

NAME CONTACT PRODUCT	FACTS	LOOKING FOR
<p>3 CREE</p> <p>Elif Istanbuluoglu <i>Architectural Consultant</i></p> <p>T + 43 5574 403 3148 E elif.istanbulluoglu@creebuildin gs.com</p> <p>W www.creebuildings.com L https://www.linkedin.com/in/elif-istanbulluo%C4%9Flu-a2927b111/</p> <p>OFFER: CONSTRUCTION</p> <p>Timber Hybrid Building System for buildings up to 100 Metros.</p>	<p>CREE is an international technology and consultancy firm, dedicated to sustainable and healthy buildings using prefabricated timber-based components.</p> <p>Building Types and sweet spots:</p> <ul style="list-style-type: none"> • Heights of up to 30 floors • Commercial, residential or mixed-use large volume buildings • Projects starting at 30,000 sqf <p>Track record of several major building projects erected across Europe, Asia and North America including:</p> <p>LCT One in Austria: how it was build 370,000 sqf Headquarter of Vattenfall (Berlin, Germany):</p> <p>Eunoia Junior College in Singapore</p> <p>CREE has been in contact with HK authorities, construction company and developers in Hong Kong and the time is ripe to make the first CREE system building being realized in Hong Kong!</p>	<p>Developers or construction companies interested in multi-floor or large volume timber-hybrid construction projects. Cree will provide the technology.</p> <div> <p>CREE provides technology for Timber Hybrid Buildings for up to 30 floors.</p> </div>

NAME | CONTACT | PRODUCT
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LOOKING FOR
4
Doppelmayr Cable Car
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OFFER: MOBILITY

Cable Cars and Automated
People Movers Solutions for
Passenger Transportation,
from design, creation,
installation, maintenance to
operations.

As a market leader in ropeway engineering, Doppelmayr / Garaventa Group is the ideal partner for the implementation of diverse transport solutions. In close collaboration with the customers, Doppelmayr develops high-performance passenger transport systems for tourism but also for urban applications.

Doppelmayr's innovative ropeway systems can solve many traffic problems. As a feeder to bus, train, and MTR lines, they fill gaps in the infrastructure, bridge topographic obstacles, and create new traffic networks in urban areas. High capacity, low space requirement and short construction period are other features of this proven ropeway technology. Together with the Chinese University of Hong Kong, Doppelmayr has some suggestions for the use of cable cars "for non-touristic" purposes in Hong Kong.

Applications for cable cars and automated people movers in Hong Kong.

**Doppelmayr is an
international
manufacturer of
ropeways and people
movers in urban
transportation.**

NAME | CONTACT | PRODUCT
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LOOKING FOR
5
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OFFER: MOBILITY

Develops and produces electric commercial vehicles (e-Train, e-Shuttle, e-Buses) and complementary solutions.

With electric city buses and related infrastructure at the core of the modern public transport eco-system, eVersum designs, develops and builds the most consequently engineered products and solutions thereof.

AS OEM of electric city buses and complementary vehicles and provider of the surrounding eco-system, eVersum builds up on the years of expertise that its founders and the multi-national core team contribute.

With its headquarters in Austria, engineering and manufacturing locations in Austria and Slovenia, eVersum is a truly European contributor to the transformation in public transport and a greener planet.

Distribution partners in Hong Kong for electric commercial vehicles.

**eVersum designs,
develops and builds the
most consequently
engineered products
and solutions for
electric public
transport.**

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Galler Consulting
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OFFER: MOBILITY

Concept Solution for Personal Rapid Transportation as an alternative to conventional mass transit systems.

Galler Consulting, together with their sister company in the U.S., offers a solution for a cost-efficient mass transit system which able to compete with the features of a car.

Sky Web Express is a concept for a Personal Rapid Transportation System, which allows passengers to travel in small, private vehicles. Powered by Austrian technology, vehicles glide on elevated guideways, which decreases traffic congestion and allows faster transportation.

Potential local contacts/partners in the Greater Bay Area to implement a Sky Web Express.

**Galler Consulting
offers a concept
for a personal
rapid
transportation
system.**

NAME | CONTACT | PRODUCT
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LOOKING FOR
7
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OFFER: MOBILITY

Intelligent mobility solutions (Software and hardware) including for: Tolling (highways, inner city, road pricing systems), Traffic management (city traffic, highway management, bridges, tunnels) and Smart mobility (autonomous vehicles, traffic identification systems).

The Kapsch Group is a globally operating technology corporation headquartered in Vienna with subsidiaries also in Singapore and Australia. Kapsch TrafficCom is a provider of intelligent transportation systems in the fields of tolling, traffic management, smart urban mobility, traffic safety and security, and connected vehicles and with is over 4,200 employees world-wide has successfully implemented projects in more than 50 countries and regions.

As a one-stop solutions provider, Kapsch TrafficCom offers end-to-end solutions covering the entire value creation chain for its customers, from components and design to the implementation and operation of systems. The company is listed in the "HK Smart Government Innovation Lab".

Kapsch TrafficCom's state-of-the-art solutions for toll collection keep traffic in tunnels, on highways and inner cities flowing optimally and provide road users with a better experience. With the "Kapsch Intelligence Corridor" they offer highly scalable and quick-to-deploy transport solutions to achieve a multimodal ecosystem (applied in the "Australian Integrated Multimodal EcoSystem"). "Kapsch Smart Intersection" collects useful information for traffic management and urban planning and improves road safety.

Cooperation partners for projects in Hong Kong, Government agencies, and Knowledge exchange.

Kapsch offers smart software and hardware solutions for intelligent mobility solutions (intelligent traffic corridors, smart intersections, multi-lane and city-tolling)

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OFFER: CONSTRUCTION

Virtual simulation and design of novel concrete mixtures.

Mixteresting uses mathematics and AI to digitize the least digitized industry (building materials).

The technology is a software that uses mathematical optimisation and artificial intelligence to virtually simulate and design new and more efficient concrete mixtures for a variety of use cases. The main unique selling point is that the customer can develop any concrete mixture from scratch; the system will find an efficient mixture within very few iterations. The company Mixteresting is looking for

Corporation partners and customers in Hong Kong.

Mixteresting combines mathematical optimization, physical models and AI in a software tool that is able to propose new and promising concrete mix designs with a single click

9
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OFFER: CONSTRUCTION

Crawler cranes.

Liebherr (HKG) Limited was established in 1994 in Hong Kong with the aim to expand sales activities in the product areas of crawler cranes, both duty cycle and lift version, as well as piling and drilling rigs to South-East Asia. In the year 2000 a new sales and service company with a total area of 23,000m² was founded. It fulfills the latest market requirements and offers complete customer service thanks to an incorporated repair and maintenance workshop, a customer service and spare parts centre as well as a training centre. In this facility about 100 experienced workers provide superior service to customers.

For more than 70 years, Liebherr has stood for a large, constantly evolving range of sophisticated products and services. Distinctive practical relevance, proven technical maturity and consistently high-quality standards ensure customer benefits in all product areas.

Developers or construction companies in China and Hong Kong

The Liebherr Group is one of the largest construction equipment manufacturers in the world. Liebherr (HKG) Limited was established in 1994. The successful sales of crawler cranes and maritime products substantially increased the market in Hong Kong and Asia.

NAME | CONTACT | PRODUCT
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LOOKING FOR
10 Neuron Consult

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OFFER: CONSTRUCTION

Baulnspect video creation software/app for underground engineering projects.

Neuron Consult is a consultancy company specialised in civil engineering sector. "Baulnspect" is a software application for smartphones to create videos to show the status and conditions of civil and underground engineering infrastructures such as tunnels. Structures such as motorways, railways, subways or even urban transport lines depreciate due to wear and tear. Any loss of value at critical points can be recorded with your phone by using the "Baulnspect" application. Then videos will be evaluated and transferred directly to the office. Also, technical measures and costs for necessary maintenance can be analysed.

Company's CEO Mr. Davorin KOLIC has also worked before as a consultant for projects in Hong Kong.

Distribution partners in China and Hong Kong who can adopt the solutions according to local requirements. Also interest in potential investors.

**Neuron Consult offers a
 Baulnspect video
 creation software/app
 for underground
 engineering projects**

11 Plasser Far East

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**OFFER:
 MOBILITY/CONSTRUCTION**

Machines for the Construction and Maintenance of Track

For sixty years, Plasser & Theurer has been manufacturing highly developed and innovative machines for the construction and maintenance of tracks all over the world. With a deep understanding of challenges customers face, they offer speedy solutions.

Plasser Far East was established in Hong Kong in 1979 to provide customers in Asia with a competent point of contact for all queries concerning operation and maintenance of their machines.

Cooperation partners for projects in Hong Kong and in Government agencies.

**Plasser Far East has
 successfully placed
 more than 700 rail track
 construction and
 maintenance machines
 in service in the Far
 East region.**

NAME | CONTACT | PRODUCT
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LOOKING FOR
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OFFER:
MOBILITY/CONSTRUCTION

Innovative 3D laser scanning solutions for mobile, terrestrial, aerial, industrial and unmanned applications.

Applications include topography, mining, surveying, architecture, archaeology, monitoring, civil engineering and city modeling.

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

RIEGL has been producing LiDAR systems commercially and focuses on pulsed time-of-flight laser radar technology in multiple wavelengths.

RIEGL's core technology, the digitization of LiDAR signals ("Waveform LiDAR"), provides a unique methodology 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 Ultimate LiDARTM 3D scanners offer a wide array of performance characteristics and serve as a platform for continuing Innovation in 3D for the LiDAR industry.

RIEGL already has reference projects in Hong Kong.

End-users in public and private sector for 3D-laser measurement.

RIEGL's terrestrial laser scanners provide detailed and highly accurate 3D data rapidly and efficiently.

13 Rubner Timber Engineering
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OFFER: CONSTRUCTION

Timber engineering and construction.

Rubner Holzbau is a leading timber engineering and construction company in Europe. The company group has started their passion for wood since 1926. They specialise in glued laminated timber (glulam) and exclusively use timber from sustainable managed forest certified by PEFC (Programme for Endorsement of Forest Certification). Rubner's projects include residential housing, commercial & industrial buildings, infrastructure, sports and education centres. They offer a full range of services from cad planning to production, delivery, and assembly. Rubner also manufactures glulam kits based on the client's planning documents. Multiple projects have been completed in Asia such as Philippines Mactan Cebu International Airport, which won the prestigious award at World Architecture Festival.

Cooperation partners for projects in Hong Kong and Government agencies.

Rubner is a leading expert for customised timber construction solutions – with several associated companies spread across different locations in various countries all around the globe.

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14 Swarco
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OFFER: MOBILITY

Complete solutions for road marking, signage, urban traffic management, parking, highway and tunnel management, public transport, and street lighting.

The traffic technology group SWARCO – headquartered in Wattens near Innsbruck, Austria – has an international network of production facilities, offices, and partners across the globe employing altogether 4,000 people. SWARCO offers one of the most complete solution portfolios for road marking, signage, urban traffic management, parking, highway and tunnel management, public transport, and street lighting. SWARCO connects vehicles with the road infrastructure, helps in setting up charging infrastructure to boost electromobility, and offers modular and holistic solutions that support tomorrow's mobility and make our communities more livable.

Swarco has been working with the HK Transportation Department to use [auxiliary devices to enhance pedestrian's safety at road crossing.](#)

Cooperation partners for projects in Hong Kong and with Government agencies.

SWARCO is the world's no. 1 producer of highly energy-efficient LED variable message signs and the world's no. 1 in the production of the full range of road marking systems.

15 Shadow Map
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OFFER: CONSTRUCTION

Integrated sunlight and shadow visualization tool that provides the best answers to solar radiation matters, based on worldwide 3D building and terrain data.

Shadowmap believes in a world that runs on the Sun. The ability to use the Sun's energy wisely and efficiently has the potential to solve many of the world's problems in an instant. Shadowmap is building the global interface to the Sun, thereby democratizing the access to insolation data. Their aim is to inspire and aid humanity to return into a synergistic relationship with the most abundant energy source in the solar system.

Based on worldwide 3D buildings and terrain data, Shadowmap aims to immediately provide the best answer to any question related to solar radiation.

Their Shadowmap app is a global, fast and reliable integrated tool for sunlight and shadow visualization and is used by over 25,000 people per month.

End-users in public and private sector for solar energy.

Shadowmap is an integrated tool for sunlight and shadow visualization based on 3D buildings and terrain data to provide information about solar radiation.

NAME | CONTACT | PRODUCT
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LOOKING FOR
16 Triply

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OFFER: MOBILITY

Innovative and professional software solutions for mobility challenges.

Triply helps you understand how much CO2 emissions your corporate mobility is producing and show solutions to reduce costs, retain employees and move into a more sustainable mobility.

An interdisciplinary team of competent and experienced transport scientists, mobility experts, data scientists, developers, geoinformaticians, sales professionals, project managers and more.

Triply creates cutting edge technology to lay the foundation to futureproof mobility at an unprecedented scale.

End-users in public and private sector for mobility solutions.

As experts for data-based mobility analyses, Triply develops innovative and professional software solutions for sustainable and safe mobility.

17 Urban Menus

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OFFER: CONSTRUCTION

3D urban visualization tool and training programs that provide user better understanding of urban spaces from different angles and different configuration options that aids in urban planning.

Dr. Mag. Arch. Arq. Laura P. Spinadel (*1958) is a globally active Austrian-Argentine architect and urban planner, as well as managing director of the firms' BOA and BUSarchitektur. She has received many awards as a pioneer of holistic architecture. She is internationally known for her works Compact City and Campus WU Vienna, among others.

Her latest innovation is the qualitative participation approach URBAN MENUS for impact-oriented city and quarter vision development, which is operationalized by the associated 3D software. Various actors, including citizens, can use it to develop urban visions, walk through them and analyze them concerning their impacts in many dimensions, including the SDGs.

End-users in public and private sector for developing urban visions.

URBAN MENUS is a web based tool, with which future visions of urban developments can be displayed within a multidimensional 3D plus impact software.

To book a 1:1 video meeting with any of the participants or to learn more about them, please register at <https://austrian-technology-days-hong-kong.events.tecexport.at/>

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