



VIENNA AND GRAZ, AUSTRIA NEW WATERFRONT DEVELOPMENT, CROSS-LAMINATED TIMBER (CLT), AFFORDABLE HOUSING AND ENERGY EFFICIENT NEIGHBORHOODS AND BUILDINGS

**October 15-20, 2017
DRAFT Itinerary**

Background

The city of Vienna, Austria, famous for its rich cultural and architectural heritage, is experiencing unprecedented growth. In 2015, Vienna's population grew by almost 43,000 inhabitants – a new record since the end of World War II. Population growth goes hand in hand with dynamic progress in society and with business development. Investing in infrastructure and housing is, therefore, a top priority for policymakers and the business community as is sustainable development. This is one of the reasons that Austria has become a world leader in use of CLT and developing energy efficient buildings and neighborhoods.

It is also recognized for its unique social housing program. In practice for nearly a century, Vienna's social housing system is known as an effective and innovative model for providing superior, affordable housing to the city's residents. The Vienna model has generated substantial interest among those in the U.S. working to improve the quality and accessibility of affordable housing for American families. The model showcases the innovation, creativity, and freshness of design with which well-known architects, working with different private sector developers, have helped to shape Vienna's affordable housing.

Kabelwerk and the Wohnpark Neue Donau housing projects.

Sunday, Oct. 15, Vienna

6:00 pm - Meet in the hotel lobby for introductions

7:00 pm - Leave the hotel lobby for the Welcome dinner

7:30 pm - Welcome dinner

Monday, Oct. 16, Vienna

9:00 am - Meet in the hotel lobby

9:15 am to 9:45 am - Review the itinerary

10:30 to 11:30 Presentation on an overview of Vienna, it's current accelerated growth, and what the city is doing to add infrastructure and housing

12:00 pm to 1:30 pm - Lunch at in the Naschmark

Naschmark is Vienna's foodie paradise, with more than 100 stalls offering beautiful fruits and vegetables, cheeses, spices, amazing pastries, and lots of tiny bars and cafes surrounding it.

2:00 pm to 5:00 pm - Architectural bike tour of Vienna, including Bike City

"Bike-City" is a housing project completed in 2008 with 99 flats designed around the needs of cyclists. The ground floor of the building includes bike rental and bike maintenance services, a water supply station and a compressed air station, 300 secure bicycle parking spaces, and extra-large elevators so that bikes can be taken to the tenants' personal flats. Car-owners are not discouraged from residency, but the estate is designed to make it as easy as possible to give up car ownership. Just over 50% of the typically required parking facilities were constructed.

Dinner on your own.

Tuesday, Oct. 17, Vienna

9:00 am - Leave the hotel lobby

9:30 am to 10:30 am - Overview of building with wood in the Vienna region

10:30 am to 12:00 pm - Presentations and site visit on a seven story apartment complex in Wagramer Strasse using extensive timber construction.

We will learn about this project from all perspectives: local gov., fire department, structural engineers, architects and construction company.

12:30 am to 2:00 pm - Lunch

2:30 pm to 4:30 pm - Site visit to the waterfront development of Aspern Die Seestadt Wiens and the HoHo building, the tallest wood hybrid construction in the world.

The almost 600 acre Aspern – Vienna's Urban Lakeside" is one of Europe's biggest urban development projects. Now under construction on the site of an abandoned airfield and a human-made lake, by 2028 Aspern is scheduled to have around 10,500 apartments, 20,000 jobs, a school campus, an industrial park, and a research center. Already today, there are 2,600 housing units for some 6,100 people, a shopping street, an underground/metro and tram links. The first wave of

corporate residents has moved in. It is also the site of the 28-story HoHo building, of timber hybrid construction, to be completed in 2018.

Wednesday, Oct. 18, Vienna-Graz-Vienna

In Graz, Baroque palaces are a pleasant contrast with 16th-century courtyards and provocative modern buildings. The Old Town, a UNESCO World Heritage Site, teems with fine architecture, including the Burg castle complex, with its Gothic double staircase, and the graceful Uhrturn clock tower. A funicular takes visitors up the dramatic bluff. Graz has a palpable joie de vivre, thanks in part to the presence of its six universities and over 40,000 students.

7:30 am - Leave the hotel lobby for the train station

8:15 am to 10:45 am - Train to Graz

11:30 pm to 2:00 pm - Presentation and site visit on energy efficient urban construction using CLT and creating an energy+ neighborhood (includes lunch)

12 CLT buildings are rising directly in the heart of Graz, based on a wood-clay construction and with visible CLT ceilings. The 3, 4 and 5 story buildings will use in total 4.400m³ of CLT out of which 2.000m³ will be in industry visible quality.

This green project demonstrates an innovative use of a sophisticated technology for the future. The energy surplus strategy for this residential area is based both on the best energy strategy for individual buildings, on using energy synergies between the buildings and on creating energy with photovoltaics and geothermal energy. Residential, commercial and of office areas need their energy peaks at different times, and thanks to the technology, energy can also be exchanged between buildings when needed.

2:30 to 3:15 pm - Energy+ Supermarket (Produces more energy than it consumes)

This supermarket produces more energy than it actually uses. On the inside, the store promotes organic and healthy foods, and on the outside it walks the walk with a highly insulated envelope, energy efficient lighting, solar pv system, mini hydro turbine, green roof and non-toxic materials that can easily be recycled at the end of their life.

3:15 pm - 4:30 pm - Kunsthaus Graz Art Museum

The Austrian city of Graz has its own ultra-modern art museum. Designed by Sir Peter Cook and Colin Fournier, the brilliant Kunsthaus Graz is an architectural landmark in the city center, serving as a bridge between the historic and the modern. Known to locals as the “Friendly Alien,” the blob-shaped structure contains contemporary art, design, new media, film and photography. Although the building makes quite a statement, its environmental impact is very low, as the building's organic roof -- made from 1,288 semitransparent acrylic glass panels -- generates energy with built-in photovoltaic panels.

5:15 pm - Take the train back to Vienna

7:45 pm - Arrive in Vienna

Thursday, Oct. 19, Vienna

9:00 am - Leave the hotel lobby

9:30 am to 11:30 pm - Presentation and site visit on energy efficient urban construction using CLT and creating an energy+ neighborhood

12:00 to 1:30 pm - Lunch

2:30 to 5:00 pm - Affordable housing in Vienna at Kabelwerks and Wohnpark Neue Donau

Built on an old industrial site spanning about 17 acres, the Kabelwerk social housing project has a total of 1,004 housing units spread across various housing types including subsidized rental housing, subsidized owner-occupied homes, apartments for refugees, and student housing. The development includes amenities such as shops, restaurants, a kindergarten, meeting rooms, and a rooftop pool which enhance the quality of life for the residents.

Wohnpark Neue Donau is built along the Danube River over an underground expressway. Consisting of a total of 850 units that vary from subsidized rentals to free-market penthouses, the housing blocks are arranged diagonally, which distributes the building's load over the expressway deck and provides the apartments with a river view. The buildings are designed in such a way that they step down towards the river, which creates rooftop terrace apartments, and residents enjoy a nearby residential park. The development features one, two, and three bedroom units, and the ground floor units have wall-enclosed private gardens that are especially suited for families with children.

7:30 pm to ? - Leave the hotel lobby for our farewell dinner.

Friday, Oct. 20, Vienna

9:00 am - Leave the hotel lobby

9:30 am to 12:00 pm - Presentation and site visit to RHW.2, a 20-story, 260-foot commercial tower, providing office space for 900 employees which was the world's first high-rise building to be certified under the international Passive House standard.

12:00 pm - Program over, hugs and kisses goodbye