Vienna as a Smart City

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How smart is the capital city of Vienna, and how does it plan to manage it's growing population in a smart way?

History

Current Status

Plans to move forward



History of Vienna



881:

First documented mention of the name "Wenia" for Vienna

1282:

The long rule of House Habsburg begins (- to last until 1918)

1221: Granting of the Town Charter

First Roman military camp "Vindobona" is erected

1137:

First documented mention of Vienna as a town



1469:

The diocese of Vienna is founded 1547:

First maps of Vienna by Augustin Hirschvogel



First public lighting system with oil lamps

Duke Rudolf IV establishes the first university in Vienna



Urban enlargement (incorporation of suburbs): Vienna has 8 districts

1814: Congress

of Vienna

1795: The Vienna Albertina is founded

1737:

Completion of St. Charles' Church 1695:

Construction of Schönbrunn palace starts

1858:

Construction of the Ringstraße boulevard



1890:

Urban enlargement (incorporation of suburbs): Vienna has 19 districts

1897:

The Vienna Giant Ferris Wheel is built in Prater



1918:

End of World War I

1862:

Opening of Stadtpark, foundation of the Vienna Statistics Bureau

1870:

Construction of the 1st Vienna Spring Water Pipeline

Construction of the 2nd Vienna Spring Water Pipeline

1981:

Opening of Danube Island, a new local recreation area

Opening of the first public underground line (U1)

1945: End of World War II

2015:

Eurovision Song Contest in Vienna

1954:

Vienna takes its current shape and area, subdivided into 23 districts

1922:

Vienna becomes a federal province in its own right

Finals of the European Football Championship in Vienna



History

- WWI results in shortages and inflation
- "Red Vienna" 1918-1934, Social Democratic Majority
- 1919 Housing Requirement Act
- Social and Health Services
- WWII
- 1945-1955 Allied Occupation
- 1955 Independence and Treaty



Modern Day Vienna

- · 1,840,226 people as of 2016
- +187,777 from 2006 to 2016
- · +42,889 from 2015-2016
- Land use: 41,487 ha total
 - Green Space: 45.1%
 - Built-Up Space: 35.8%
 - Road Space: 14.4 %
 - Bodies of Water: 4.7%



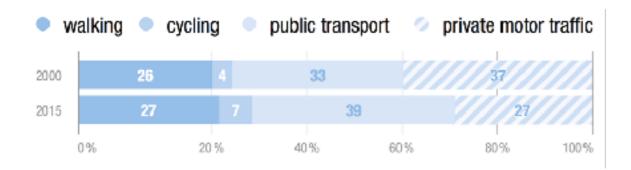
Finances

- Annual Financial Statements:
 - 18.7% Social Welfare/Housing
 - 18.4% Local Authority Tasks
 - · 17.6% Health Care
 - 17.3% Education
 - 9.0% Public Finance
 - 8.0% Road Maintenance, Public Transport
 - · 6.5% Services
 - · 2.3% Arts and Culture
 - 1.4% Public Order and Security
 - · 0.8% Business Promotion



Public Transport

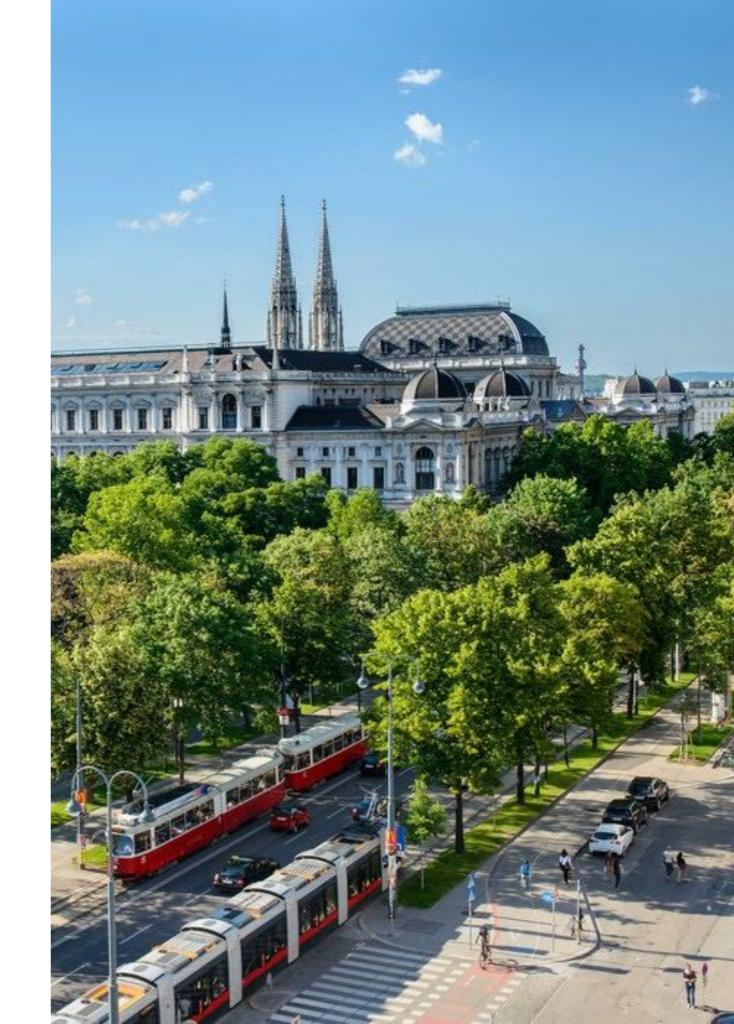
- 5 metro lines, 29 tram lines,
 127 bus lines
- 541 electric cars
- 1,298 km of bike lanes
- 685,570 private motor vehicles
- 698,968 "Jahreskarten" issued
- State run navigation apps





Awards and Rankings

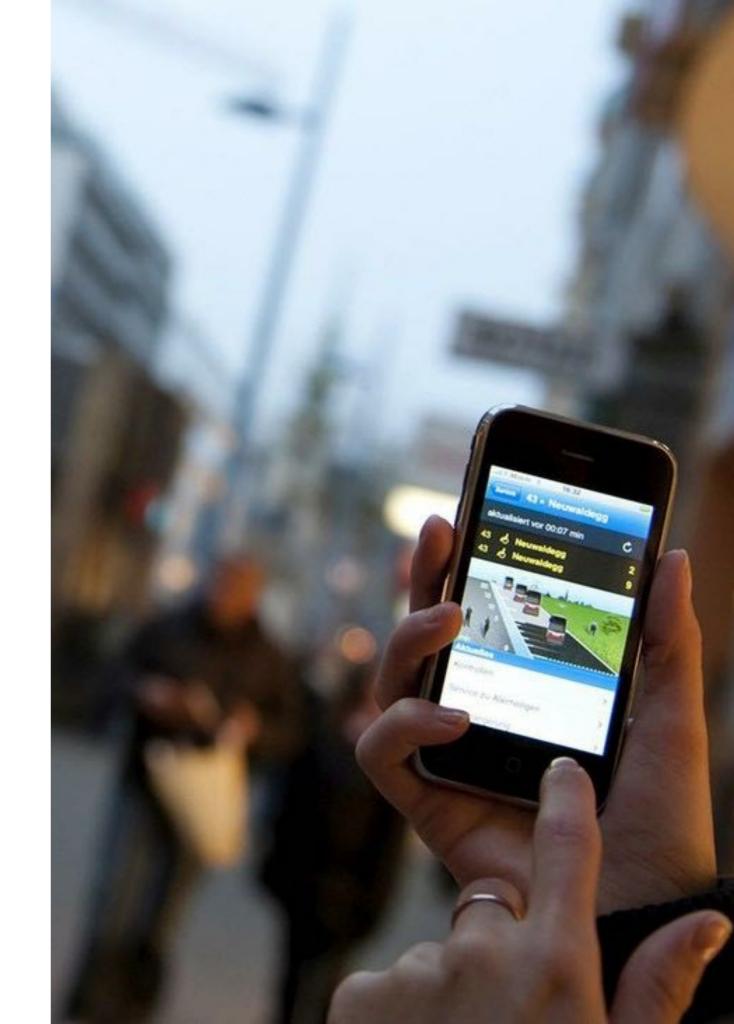
- 1st in Innovation Cities Global Index 2015
- European Capital of Innovation Award -2016
- Lee Kuan Yew World City Prize 2016
- Most Admired Knowledge Cities Award -2015
- European Mobility Award 2015
- 1st in Roland Berger "Smart City Index" -2017
- 1st in Mercer Quality of Life Study -2010-2017
- Big Mac Index 2015 12 Minutes
- 4th in Number of International Congresses in 2015 with 178



The Smart Future of Vienna

- Cities responsible for 3/4 of all energy consumption and 80% of greenhouse gas emissions.
- By 2050, 2/3 of the world's population will live in cities.
- The population on Vienna will grow to over 2 million by 2050.

How does Vienna maintain it's quality of life for all citizens? By radically preserving resources through social and technological innovations.



Smart City Wien

"The "Smart City Wien Framework Strategy" is a long-term umbrella strategy to 2050 that will establish a conducive, long-term and structural framework that will exist alongside other established documents, plans and programs." The three fields of action are:

- Quality of Life
- Resources
- Innovation



Questions/Issues with 2050 Plan

- How is green space maintained?
- How will additional load on public transportation be addressed?
- How will historical conservation and a push for innovation be balanced?
- What EU energy and climate goals will be met and surpassed?
- How will Vienna account for the needs of all residents as a "smart city?"
- Where will funding come from?



Resources

- "Smart City Wien Resource Strategy"
- Public Transportation Expansion Exhibit
- Smart City Wien Agency
- Urban Future Hub
- Viennese Citizens



THANK YOU!