

# Smart City Sweden

## IN-DEPTH STUDY

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### Videoscript.

Would you like to explore smart and sustainable city solutions from Sweden? Whether you're interested in energy, mobility, digitalization, urban planning, social sustainability or all of it, we can offer you a tour that can make your city even smarter and more sustainable.

In 2030, 70% of Sweden's transports should be fossil free. This goal will be met by shifting from fossil fuels to biofuels such as biogas, bioethanol and biodiesel but also electricity.

- *Transportation in our city has changed in many ways. Public transport has been electrified and also runs on renewable fuels to almost 100%. This ferry is one example and it's now electrified.*
- *We want to use leg muscles instead of fossil fuels and that gives a city environment with less noise, no smell and more smiles.*

Sweden has a big focus on digital innovation and digitalization is the foundation of a smart and safe city.

- *Sweden focuses on the collaboration between stakeholders that is necessary to transform the mobility system of tomorrow. Digitalization, automation, sharing of different transport solutions are very important components in this. Our vision is a sustainable, accessible and safe transport system for all.*
- *Vision zero, the policy about zero deaths in traffic, was invented here in Sweden 25 years ago. Many or most thought it was a ridiculous idea, but we're getting closer and with new technology and new technology just around the corner we actually can get there.*

The world's increasing need for renewable energy takes us to northern Sweden, with great assets when it comes to renewable energy production from hydro, biomass and wind power. That's what attracted the company Northvolt to establish here in Skellefteå to produce lithium-ion batteries by green energy from the surroundings.

- *This will mean that Skellefteå will grow with thousands of jobs and thousands of inhabitants. It's up to us really to build a sustainable city. The official and the commercial forces as along with research and the inhabitants' collaboration is the only way to make it happen and here, by the way, we have our new cultural center Sara, wooden building.*

Växjö, in the south of Sweden goes even further. At the Modern Wooden City at least 50% of new construction will be made of the renewable building material – wood.

- *And now we're here at Valle Broar which is probably Europe's biggest showroom when it comes to building wood, we also build schools, sport arenas, offices.*

Let's move on to Umeå which is a global leading example within gender equality and inclusion in urban planning.



Umea, smart city

- *The work with gender equality is visible in the city in many different ways, for example, a tunnel where we worked with, making it broad, making it light making sure that all inhabitants of Umeå can feel safe and like it's a space that belongs to them, walking through it day and night.*

As a city district Vallastaden is unique in itself. The Vallastaden model includes focus on social and ecological sustainability. The result is a vibrant district centered around its residents.

- *The vision for this city district has been green dense and mixed and all that is possible thanks to the infra culvert: district heating systems, fresh water systems, broadbands in here for the waste management systems. The great advantages with this infra culvert coverage system is that you can collect all the utilities in one place. You can maintain and serve all these things without disturbing the residents in the area.*

To create a circular system, collaboration between different sectors and society is key. In the south of Sweden, cooperation between

companies, municipalities and academia has led to innovative solutions.

- *The time when waste was considered a problem is over. We see waste as a resource. This packaging might look like plastic but it isn't – fully degradable, renewable, compostable.*
- *Could IKEA grow their own salad out of their food waste? We are very happy with the quality in these systems.*

And the final stop on this little tour: Falun and the Eco Data Center.

- *The ICT and telecom business is a dirty business, even dirtier than the aviation business. Here we do it in a climate positive way by using the heat from the server, push it straight down to the combined heat and power plant and from there to the inhabitants of Falun. It's smart, it's circular, and it's innovative.*

SMART CITY SWEDEN is welcoming delegations from all over the world and offers digital or physical meetings to learn more about Swedish city solutions and how to implement them in a local context. Get in touch with us to explore how we can collaborate to create a more sustainable future.

## 1 Watch the video and complete the following sentences

- In 2030, ..... of Sweden's transports should be fossil free. This goal will be met by shifting from fossil fuels to ....., such as biogas, bioethanol and biodiesel but also .....
- Sweden has a big focus on ..... innovation, and digitalization is the foundation of a smart and ..... city.
- Vision zero the, the policy about zero deaths in ....., was invented here in Sweden ..... years ago.
- It's up to us to really build a ..... city.
- The ..... Northvolt produces lithium-ion batteries by green ..... from the surroundings.
- At the Modern Wooden City at least 50% of new ..... will be made of the ..... building material – .....
- Umeå is a global leading example within gender ..... and inclusion in urban .....
- The great advantages with this infra-culvert coverage ..... is that you can collect all the ..... in one place.
- To create a ..... system, collaboration between different ..... and society is key.
- In Falun, they use the ..... from the server, push it straight down to the combined heat and ..... and from there to the inhabitants of the town.