



## Stockholm, SWE.

Sweden's capital city Stockholm is globally recognized as one of the leading examples of a "smart city". Adhering to the **triple helix model**<sup>i</sup>, the city houses fluid cooperation between the three spheres of public, business, and academic life. This willingness to contribute from all of the key sectors has made the road to becoming a smart city, which started in the mid-1990s, a significantly easier one.

The neighbouring "innovation cluster"<sup>ii</sup>, Kista Science City, has grown with Stockholm and is now one of the most productive ICT regions in not just Sweden but the whole world, due largely to the collaboration between investors and workers.

### The Project

In 1994 the city-owned company Stokab began developing the all-encompassing and accessible **Fiber network** that exists today, enabling Stockholm to enjoy full broadband coverage.<sup>iii</sup>

This was a mutually beneficial decision for many organizations within the city: The citywide access to internet encourages economic activity, business growth, and innovative ideas/start-ups. The network essentially has a hand in everything that goes on in Stockholm as well, gathering data from traffic, energy consumption, water treatment; the list goes on.<sup>iv</sup>

### Green IT

Stockholm has been constantly ahead of the pack, planning well into the future: the world's first 4G/LTE network was established in the capital in 2009<sup>v</sup>, and the city also received the inaugural European Green Capital Award a year later in 2010.<sup>vi</sup>



**Stockholm's green plan, "Vision 2030"**, is a prime example of the aforementioned forward-thinking mindset, detailing goals and the steps to achieve them by the year 2030.<sup>vii</sup> ICT is synonymous with green in the city, with the sector accounting for less than 5% of the Capital's greenhouse gas emissions<sup>viii</sup>, and data is constantly being gathered by Stokab's network in the hopes of reducing the city's footprint even more so.

The City of Stockholm has also been progressively digitizing its services. Now the E-Services, while also reducing paper usage/waste, put the information from traffic monitoring and sensors to use

by showing citizens the fastest way to make their commute by car or bicycle.<sup>ix</sup>



The quality of living Stockholmers is one of the highest in the world, and their sustainable metropolis is a role model smart city.

## The Result

The almost-complete integration of IT into Stockholm's infrastructure has benefited the capital in many ways, the most obvious of these being **digital equality** for citizens and the massively reduced carbon footprint.

Start-ups and tech companies flourish, and the city has made a unique blend of business motivated but still citizen-centric decisions to get to where it is now.

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<sup>i</sup> <http://kista.com/about>

<sup>ii</sup> [Kista.com/about](http://kista.com/about)

<sup>iii</sup> <http://www.urenio.org/2015/01/29/smart-city-strategy-stockholm-sweden/>

<sup>iv</sup> <http://international.stockholm.se/city-development/the-smart-city/>

<sup>v</sup> [http://www.stokab.se/Documents/Nyheter%20bilagor/Stokab\\_eng.pdf](http://www.stokab.se/Documents/Nyheter%20bilagor/Stokab_eng.pdf)

<sup>vi</sup> <http://international.stockholm.se/city-development/european-green-capital-2010/>

<sup>vii</sup> <http://international.stockholm.se/globalassets/ovriga-bilder-och-filer/green-it-strategy.pdf>

<sup>viii</sup> <http://international.stockholm.se/globalassets/ovriga-bilder-och-filer/green-it-strategy.pdf>

<sup>ix</sup> <http://international.stockholm.se/city-development/the-smart-city>