

QUANTUM INNOVATION PARK



TOWARDS A SMARTER, MORE SUSTAINABLE AND SECURER BUILT ENVIRONMENT



BRUNNBERG & FORSHED ARKITEKTER

Quantum Innovation Park: Stimulating Ingenuity and Enterprise

Quantum Innovation Park offers you a stimulating, creative and harmonious environment in which to pursue your research, development and business-developing activities. The Park is being designed to get the best out of every individual by providing them with an interactive and multidisciplinary environment in which ingenuity, dedication and entrepreneurship can flourish.

The Park is being designed to reap the benefits offered by a community of creative and motivated people by encouraging people interaction in, for example, the central Square; the social and activity heart of the Park. Here formal and informal meetings will be held, conferences arranged, mingling effected in its restaurant and cafe, opportunities for relaxation and exercise provided and the activities of the Quantech Centre performed.

Quantum Innovation Park will feature the most intelligent systems offered by modern technology, the environmental-friendly features of our sustainable age and the high security required by modern working and living environments.



EXCITING CONFERENCE FACILITIES

THE TERM "QUANTUM" DENOTES A SUDDEN HIGHLY SIGNIFICANT ADVANCE; A BREAKTHROUGH.

THE TERM ORIGINATES FROM ITS USE IN PHYSICS AND, IN MORE GENERAL TERMS, MEANS A DISCRETE JUMP FROM ONE LEVEL OF FUNCTIONING TO ANOTHER – THE QUANTUM LEAP. QUANTUM INNOVATION PARK IS BEING DESIGNED TO EMBODY THIS PRINCIPLE THROUGH THE COMBINING OF ENTERPRISE AND INGENUITY TOWARDS THE APPLICATION OF EVER ADVANCING INTELLIGENT SOLUTIONS IN THE CREATION OF A BETTER FUNCTIONING, SECURER, SUSTAINABLE AND MORE INHABITABLE BUILT ENVIRONMENT.



Create a competitive-edge within the field of intelligent solutions for the built environment.

The purpose of The Quantum Innovation Park is to create a synergy-enhancing milieu for the conducting of research, development and commercialisation activities related to the evolution of Smart, Secure and Sustainable solutions for individual buildings, building clusters, cities and infrastructure.

The new era of "Internet of Things" (IoT®) will be a natural component of the Park's activities. IoT is opening tremendous opportunities for an infinite number of applications that promise to improve the quality of our lives.

The Park will bring together leading-edge corporations, research and academic institutes, consultants, public bodies and financing houses to form a multi-disciplinary environment of complementary capabilities and dynamic entrepreneurial organisations and individuals. Quantum Innovation Park will promote the evolution of converging technologies and accelerate the route from research and development towards the securing of commercial success.

The Park will facilitate the more efficient cross-fertilisation of ideas and knowledge between specialist activities, enhancing the evolution of new system solutions.

An intelligent built environment will demonstrate a capacity for surveilling its own performance, its consumption of resources, diagnosing and adjusting inefficiencies and enhancing its efficiencies. This will lead to a capability for the optimal

functioning, technical efficiency and architectural appeal of the built environment. It will also promote profitability, environmental-friendliness and sustainability. In the end, producing a better environment in which to live, work, and play.

Intelligent systems will, by enhancing the opportunities for improvement, automatically raise the benchmark from which statutory regulations are introduced. This means, for example, that buildings with high environmental performance will avoid statutory penalisation and be the target of increased market demand and consequential value enhancement.

"IOT REFERS TO THE NETWORKED CONNECTION OF EVERYDAY OBJECTS WHICH ARE EQUIPPED WITH UBIQUITOUS INTELLIGENCE.

IOT WILL INCREASE THE UBIQUITY OF THE INTERNET BY INTEGRATING EVERY OBJECT FOR INTERACTION VIA EMBEDDED SYSTEMS, WHICH LEADS TO A HIGHLY DISTRIBUTED NETWORK OF DEVICES COMMUNICATING WITH BOTH HUMAN BEINGS AND OTHER DEVICES. IOT IS OPENING TREMENDOUS OPPORTUNITIES FOR AN INFINITE NUMBER OF APPLICATIONS THAT PROMISE TO IMPROVE THE QUALITY OF OUR LIVES".

F XIA LT WANG L WANG A VINEL – INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS.



Quantum Innovation Park: The Physical Development

The Park will be located at the property called Vintergatan 19 which is currently owned by ASSA ABLOY. The property, located on Eskilstunas main thoroughfare Kungsgatan, is some 10 minutes from the City Centre. The site comprises a land area of some 70.000 m² supporting both existing buildings and developable land.

Quantum Innovation Park will comprise offices, laboratories, workshops, testing facilities, shops and housing and exhibit such features as an attractive and highly sustainable design, a secure environment and a wide range of intelligent features. The Park buildings will be characterised by a light, airy, environment. The central Quantum Square will provide a natural and welcoming meeting place for many of the Park activities with stimulating natural light, areas of bright greenery with trees and bushes, a recep-

tion area, restaurant, café, access to an array of meeting and conference rooms, shopping facilities and a gymnasium and Health Centre. The roof area above Quantum Square will be accessible for all with a grassed park miljeu for recreation, social meetings and relaxation. This roof park will also provide a stimulating and uniting spectacle for those working in the surrounding buildings.



A Smart, Secure, Sustainable Built Environment is the Future Ingenuity, Enterprise and Synergy is the Future Quantum Innovation Park is the Future



Intelligent Systems: a rapidly expanding global market.

By 2020, ABI forecasts that the number of active wireless connected devices (IoT) will increase from around 16 billion in 2014 to over 40 billion by 2020. ABI's research on smart cars, for example, shows that there are around 10 million registered vehicles with IoT in the World today and that this will increase to over 400 million by 2030. IDC forecasts that the worldwide market for IoT solutions will grow from 1.9 trillion USD (2013) to 7.1 trillion USD by 2020.

With the increasing convergence of technologies, particularly within such interrelated fields as IT, telecom / internet, digital sensing, sustainable energy, smart energy grids, logistics, security systems, material recycling, infrastructural and business system management, transport systems, simulation etc, the growth rate within the field of intelligent systems is expected to rise exponentially within the foreseeable future.

The rapidly expanding global urbanisation is highly conducive towards the growth of the market for intelligent solutions for the built environment.

According to the United Nations, 54 per cent of the World's population today live in urban areas. This will increase to 66 per cent by 2050. This means an additional 2.5 Billion people will live in urban areas by 2050.

The Quantum Innovation Park is being designed to enhance the competitiveness of all organisations established at the Park by promoting access to the necessary complementary – and interdisciplinary – knowledge, experience and resources necessary for achieving leading-edge competence.



Operating from Quantum Innovation Park

Quantum Park is being designed to meet the special needs of innovation-led corporations and institutions.

Organisations wishing to establish at the Park will be afforded the opportunity of influencing not just its physical design and development but also the content, direction, structure and management of the Park's activities.

Companies may, for example, wish to encourage selected suppliers, sub-contractors, consultants and other sources of expertise to establish alongside them at the Park, in order to create dynamic sub-cultures. Organisations may wish to influence the operations of the Quantech Centre or even participate in its development and operation.

As a participant in Quantum Innovation Park, you are always more than just a tenant. You are a valuable member of an enthusiastic community aimed at creating the most productive environment possible for the promotion of business within the field of intelligent technologies for the built environment.

PROJECT STEERING COMMITTEE

A Project Steering Committee is currently in the process of being formed. The Steering Committee will comprise, apart from the Developers, leading international corporations, small to medium-sized companies, university and other institutional representatives and members of selected public bodies.

THE QUANTECH CENTRE

The purpose of the Quantech Centre is to assist companies and individuals in converting good ideas into marketable solutions.

FROM RESEARCH TO ENTREPRENEURSHIP: TECHNOLOGY TRANSFER.

The Quantech Centre will be resourced by a combination of in-house staff complemented by leading specialist scientific, technical, entrepreneurial and institutional competence.

The Quantech Centre will assist in the mobilisation of venture capital, the formation of strategic alliances between researchers and industry, formulation of research and development programmes and in the commercialisation of the ensuing technology.

QUANTUM PARK AS AN INTERNATIONAL FOCAL POINT FOR AN INTELLIGENT BUILT ENVIRONMENT

Quantum Park's ambition is to evolve into a leading international focal point for issues related to an intelligent built environment.

Conferences, seminars, workshops and exhibitions will be arranged to debate, inform and display forefront topics, solutions, plans and market potential.

Quantum Park aims at becoming an international reference point for intelligent technologies.



Eskilstuna: a long history of industrial ingenuity and enterprise

QUANTUM INNOVATION PARK: ESKILSTUNA'S HISTORY AND LOCATION

The Park is to be located in Eskilstuna and developed as an expansion of the site of the ASSA ABLOY property on Kungsgatan, some 10 minutes walk from the town centre.

Eskilstuna's history goes back to medieval times when the English monk Saint Eskil made "Tuna" his base and diocese. Eskilstuna grew enormously during the Industrial Revolution and became one of the most important industrial cities in Scandinavia being known as the City of Steel.

In 1832, Johan Theofron Munktell commenced his industrial activities. These involved, initially, the design and manufacture of Sweden's first steam engine, followed by the delivery of steam locomotives and traction engines. This ultimately led to the merger of the company with Bolinder in 1932 creating a leading international engine production business.

In 1881, August Stenman purchased the company Thunellska Hinge Factory which was to, subsequently, lead to the formation of ASSA. In 1920 August Stenman's daughter took over the company and Jacob Wallenberg became a share holder. In 1939, lock production was initiated and the company grew rapidly. In 1994, ASSA merged with the Finnish company Abloy to form what was to become the global concern ASSA ABLOY which today turns over in excess of 8 Billion Euros.

Eskilstuna is located within 50 minutes of a 3 million population and has itself over 100.000 inhabitants. This makes it one of the larger and most rapidly growing cities in Scandinavia.



MAP OVER SWEDEN



Eskilstuna: A Strategic Location for the Future

ESKILSTUNA HAS A HIGHLY STRATEGIC LOCATION WITHIN THE MALARDALEN REGION OF SWEDEN. It lies within 50 minutes travelling distance from the Capital City of Stockholm and the ancient and eminent University town of Uppsala. Eskilstuna is within 30 minutes travelling time from many neighbouring towns such as Västerås, Örebro, Enköping and Södertälje, the home of the Scania concern and Astra Zeneca.

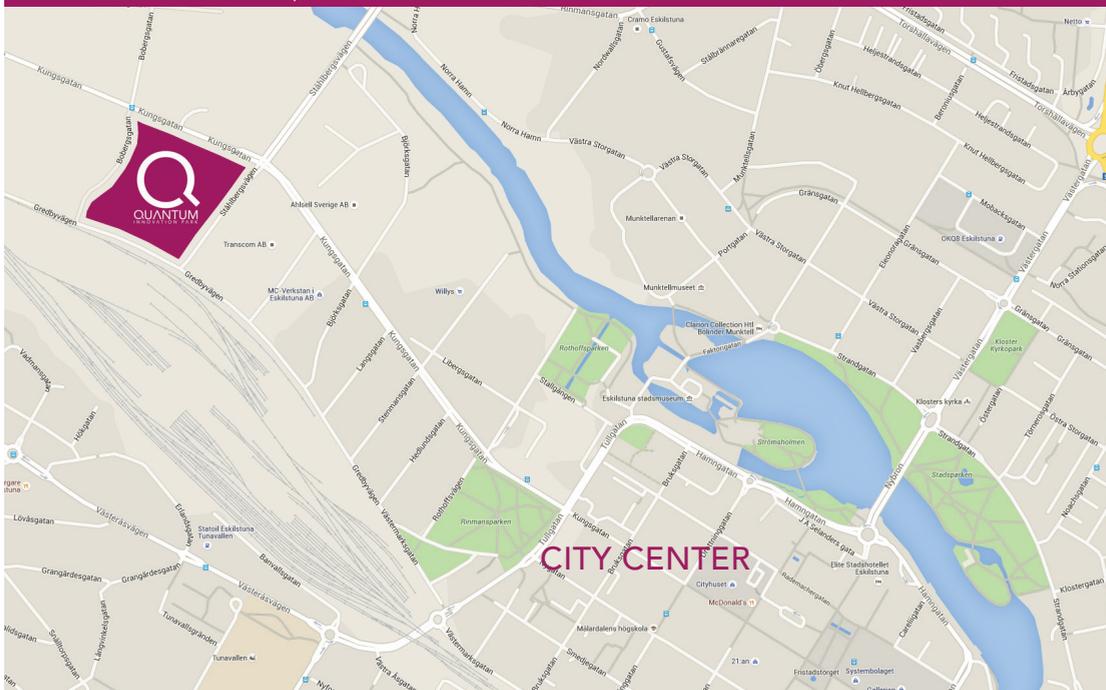
MAP OVER MÄLARDALEN



Eskilstuna is on the nationwide motorway network and main rail lines connect it directly with Gothenberg, Malmö, Helsingborg in the southwest, Stockholm in the east, Oslo in the west and Uppsala, Sundsvall and other centres to the north. Eskilstuna is located some 40 minutes from the airport in Västerås and some 50 minutes from the airports in Nyköping and Stockholm Arlanda.

Quantum Innovation Park will comprise an exciting combination of new and existing buildings where the best of modern architecture will interact with industrially historic buildings.

MAP OVER ESKILSTUNA | CITY CENTER



WINDBORNE INTERNATIONAL AB
Villagatan 13 B
S-11432 Stockholm, Sweden
Tel: 0046 8 611 27 00
Mob: 070 790 01 64
hq@windborne.se
www.windborne-group.com
Member of the WING GROUP
www.quantuminnovationpark.se

