



Hochschule
für Technik
Stuttgart

MASTER SMART CITY SOLUTIONS STUTTGART / GERMANY

“THE FUTURE OF HUMANITY LIES IN CITIES” KOFI ANNAN



With ,smart mobility' roads become livable urban space again; (Almost permanent) congestion in Bangkok.

Cities around the world are increasingly impacted by climate change, uncontrolled growth, migration, congestion and harmful pollution. The majority of citizens in urban agglomerations face the challenges of spatial injustice, poverty, makeshift everydaylife, absent waste management systems, sewage systems or sanitation facilities, lack of drinking water and shortcomings in public and domestic safety. The lack of infrastructure services affect the life of millions of people and their qualities of life.

The Smart City approach has emerged as paradigm to respond to those challenges. Frontrunner cities like Rio de Janeiro, Mumbai, Vienna, Copenhagen and Bangkok each chose individual strategies to adopt and implement Smart City concepts - some focussing on technological solutions, some on governance structures. The challenge remains to integrate citizens' smartness, cultural identity, spatial conditions and apply smart urban planning tools to scale these pilot projects to become mainstream Smart City Solutions.

EXCELLENT CAREER PROSPECTS

Graduates have excellent career prospects, both nationally and internationally. Smart City is an important action field for different stakeholders offering a wide variety of job and internship opportunities : e.g. municipal administrations, IT companies, international business and engineering firms, utilities providers.

The Smart City Solutions master programme interconnects expertise in the areas of sustainable urban development and building design, mobility, energy, water management, administration, sustainable finance and multi-level governance. You will gain qualifications that combine technical, management, design and business development expertise.



Climate Change is an existing threat for many cities already; beach protection in Banjul, Capital City of The Gambia.

**MASTER
SMART CITY SOLUTIONS**
HFT STUTT GART

DEGREE
MASTER OF ENGINEERING
(M.Eng.)

DURATION
3 Semesters
Medium of instruction: English

APPLICATION DEADLINES
May 1st for all applicants

PROGRAMME START
Yearly in September

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NETWORK OF RESEARCHERS & PRACTICIONERS



Smart City Solutions master class during the case study field trip in Ludwigsburg, October 2018 @Kuhla von Bergmann

We have developed our own "Smart Index" model which forms the foundation for a curriculum and is based on an analysis of various model approaches by local authorities, ministries, consultancy companies, corporations and authors. It comprises in-depth information regarding the global and local environment, state-of-the-art technological developments, management approaches and business administration frameworks.

Graduates will learn to apply methodical expertise and test their knowledge in real-life case studies. A professional team of HFT professors in conjunction with highly qualified practitioners from partner municipalities & companies are developing innovative solutions together with highly motivated and prequalified students from all over the world.

ADDITIONAL MBA OPTION (M. ENG & MBA)

The Postgraduate Master, Smart City Solutions started at HFT Stuttgart in September 2018. The duration of the international programme will be 3 Semesters. Fees in the amount of in total € 10.000 will be charged.

Students are offered both a Master of Engineering degree at HFT Stuttgart (M.Eng.) and as optional add-on a Master of Business Administration degree (MBA) at our partner university John Moores University in Liverpool, UK.

EARN AND LEARN

Teaching days are Friday to Monday, thus allowing to combine practical work (staying employed as professional or intern) with academic learning.

The course is taught in English language and promotes diverse international study teams. We welcome all who are interested in a Smart City approach driven by citizens' demands and UN Sustainable Development Goals (SDGs) to support the transition of European cities as well as the tackle challenges of rapidly expanding cities in Asia, Africa and South America.

The university HFT Stuttgart is the perfect place to build up your capacity in Smart City Solutions as it is an high-ranked engineering and design school. The course director Prof. Roland Dieterle will be happy to give you further information.