Cities around the world are increasingly suffering from noise pollution, congestion, gridlock and harmful air pollution. Many urban agglomerations are also facing the challenges of poverty, uncontrolled growth, mountains of rubbish, power cuts or a lack of or inadequate drinking water. Missing sewage systems and sanitation facilities, but also shortcomings in public and domestic safety are affecting the life of millions of people. The increasing impact of climate change with floods, water shortages and cyclones is challenging more and more cities.

The Smart City approach is based on the realisation that subject-specific competencies in the areas of transport, energy, urban development, administration, construction law etc. have until now been rather poorly connected. The complex requirements of the livable, future-oriented city can only be met if there is a much closer and interdisciplinary interaction between these fields in future. All this requires a new kind of personnel resources with qualifications that combine technical, management, and business administration expertise in a new way.

The Smart City is an approach that is discussed intensively around the world – in Rio de Janeiro as in Mumbai, in Copenhagen as in Bangkok. The process of forming appropriate consultancy teams for the task ahead, which is completely new in this form, is well under-way around the world.

Smart City has definitely become an important action field for different actors, requesting specific competence and capacity: e.g. municipal administrations, IT companies, international business and engineering firms, service providers etc. Graduates have excellent career opportunities, both nationally and internationally.

Our well established network of mostly internationally operating companies offer a big variety of job and intern opportunities.
Based on an analysis of various model approaches by local authorities/ministries, consultancy companies, corporations and authors, we have developed our own “Smart Index” model, which forms the foundation for a curriculum. It comprises in-depth information regarding the global and local environment, state-of-the-art technological developments, management approaches and business administration frameworks.

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

The Postgraduate Master’s Smart City Solutions will start at HFT Stuttgart in September 2018. The duration of the newly founded, international programme will be 3 Semesters. Fees in the amount of in total € 10,000 will be charged.

Students are offered both to acquire a Master of Engineering degree at HFT and in an additional approach a Master of Business Administration degree at our partner university John Moores University in Liverpool, UK.

Teaching days are Friday to Monday, thus allowing to combine practical work (staying in employment or to apply for internships) and academic learning.

The course is taught in English language to allow as many international students as possible to study on the programme here at Stuttgart. We see this as being particularly desirable because the Smart City approach is just as relevant for existing cities in the western world as it is for rapidly expanding megacities in Asia, Africa and South America.

The HFT Stuttgart is the perfect place to move forward as an innovator in this field as advanced knowledge in most of the required elements is already in place here. Prof. Roland Dieterle and his Smart City Solutions team are pleased to advise.