

## Showing Innovation

In order to visualize the opportunities of digitalization in the field of mechanical engineering, ITQ has been developing demonstrators for many years. With the Showcase Mi5 production demonstrator we show Industry 4.0 in real life. This demonstrator highlights what a modular production platform in the age of IoT should look like. All our demonstrators are made of industrial hardware showing the harmony between the physical and computational systems.

Mi5 Showcase



Mi5 Dartboard



Mi5 Coffee Module



Mi5 Chocolate Printer



Mi5 3D Robot



Mi5 Car



Mi5 Movable Robot



## About us

Since the start of the digital revolution, traditional companies have been faced with the challenge of abandoning their well-known methodologies and introducing new ones, both technical and organizational. In the Industry 4.0 era connectivity takes on a whole new dimension and a previously unimagined flow of information is generated. Therefore new development approaches become inevitable. Here in Gran Canaria we want to show how our idea of a sustainable future



could look like: smart, green and innovative. Also, with digital technologies and a closed energy loop, we can shape a perfect world model here in Gran Canaria. For us, the combination of motivated and technophile students and excellent climate conditions are the perfect base for visionary projects in a Silicon Valley sense.

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smart green innovative

## Make - Do not talk

The digital revolution forces companies to develop totally new products in a very short period of time. A very effective approach to get new ideas and to produce first prototypes very fast are the so-called Makeathons. We already have run different Makeathons around Europe with senior engineers coming from companies as well as students coming from all over the world and from different disciplines.

A good example for our effort in this field was the Green Island Makeathon. It took place in September 2016 and was attended by young engineers and students from Austria, Germany, Italy, Spain and Indonesia.



This event lasted 4 days. During this time participants formed teams and developed their own ideas. But all of them had a common goal: to transform Gran Canaria into a smart, green and innovative island. After only 4 days the teams could demonstrate stunning prototypes of their projects focused on smart farming, smart mobility, connected systems and electrical cars. They not only had a great time but also learned a lot about modern technology and teamwork.

## Activities

Dr. Stetter ITQ is a company focused on innovation, serving as a laboratory of new ideas. Our main goal is researching on promising topics such as Smart Homes, Green Energy and Autonomous Driving. Also, we are especially concerned about education, which is the reason why we put so much effort in organizing events and workshops for both local and international students. It's essential for us to train people for the upcoming digital revolution.

Smart Home



Smart Mobility



Green Energy



Autonomous Driving



Smart Farming



Connected Systems

