

# IoT Technology Implemented as Part of “Future” Curriculum

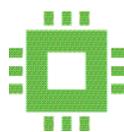
Higher Education Technical Institute of Weiz



For our technical education system, it is important to prepare our students for the challenges of tomorrow. This is the need and demand we see in our jobs as engineers and teachers.”

Michael Hartinger  
Coordinating Professor

HTL Weiz has implemented the following technologies and curriculum in its classrooms through two projects



Sensor technology  
application with  
ThingWorx® Composer



IoT & AR introduction  
and implementation in  
labs and workshops



Lectures to help  
maintain ThingWorx  
knowledge

## PROJECT 1: "PRODUCT DESIGN & VISUALIZATION" AND "TRAINING & TEACHING"

The purpose of this project was to learn how to use Vuforia® View™ from PTC® to visualize gearing on smartphones and tablets.

In their first project, the students from HTL Weiz worked on products developed from design and engineering work. They learned to understand engineering parts and functions in 3D by preparing models and animation sequences with Creo® Illustrate™ and viewing them with Vuforia® Studio™.

## PROJECT 2: "PRODUCT VISUALIZATION FOR MARKETING PURPOSES"

The purpose of this project was to provide students with first hand work experience.

Next, a thesis was put together for industry partner VESCON. This project was developed in order to allow students insight into how they can apply new technologies in their future careers. This is the university's first success story in pairing students with industry, where students were the technology drivers for industrial applications.

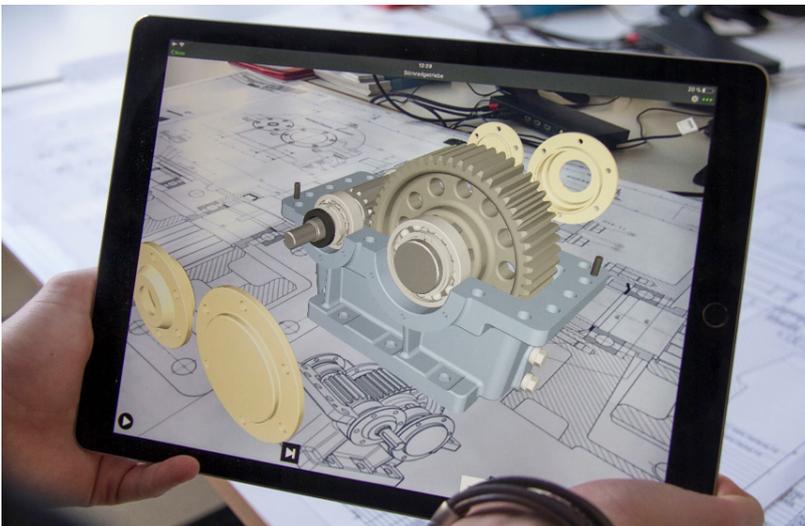


Students with their finished project.



Industries are seeking solutions and applications, knowing that there is something to achieve with new technologies. We know that IoT technology enables new products to be created, as well as to create new product behavior and new market strategies."

Michael Hartinger  
Coordinating Professor



A finished gearing project.

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