

How to build a Team?

Smart Green Island Makeathon 2026

24.02.2026 – 28.02.2026



**SMART
GREEN
ISLAND**

ITQ

competence in mechatronics
software and systems engineering

How to build a Team ?

- Recommended Size of Teams, Disciplines etc.
- MAKEATHON Challenge Registration Process

How to build a Team?

- Recommended Team size 5-10 Persons
 - Special requests could be discussed

- We recommend to build an interdisciplinary Team from different universities/disciplines

- Our Platinum and Gold Sponsors will provide Ideas/Industry Challenges
 - For these Challenges there will be the right Material and Experts to coach you!

- All MAKEATHON Challenges relate to our new “CirQmind – Circular Economy through Circular Society” project
 - More Information at www.cirqmind.de



On Wednesday we start with 10:45 am – Presentation Industry Challenges



Platinum Sponsors introduce their Company and Challenges

Presentation of the Gold Industry Challenges by ITQ



From 12:30 pm Speed Dating with Participants

First Contact Sponsors \leftrightarrow Participants



Exchange of Ideas – Participants and Sponsors

Brainstorming/Teambuilding – Team consists of 5-10 Persons



Discussing the Idea

Brainstorming/Teambuilding

- Sponsor (Mentor) discusses the idea with the Team and gives them tips/assistance and asks questions
 - Brief discussion of the Idea with a Sponsor/Professor/Coach (Mentor)
 - Evaluation of the Idea based on criteria, not whether the Sponsor's Hardware/Software is used

Innovative/creativity

→ Is it something new/amazing?

Technical difficulty

→ Is it ambitious/easy?

Sustainable

→ Is it SMART & GREEN?

Practicability

→ Is it realistic/useful?



Team Registration

Online Team Registration – Team consists of 5-10 People

- Completion of Online Team Form
 - Team Name
 - MAKEATHON Challenge
 - Category
 - Table Number
 - Team Project Leader (Contact Person)
 - Team Members (5-10 Persons per Team)
 - Team Photo – No Selfie Pictures!
 - Brief Description of the Idea/Project

- Team and Industry Challenge are now registered!

REGISTER YOUR TEAM FOR THE RESPECTIVE MAKEATHON CHALLENGE

Choose your MAKEATHON Challenge and work on it with your Team. Develop an innovative prototype in a short time of period.

Team Name *

Industry Challenge *

Category *

First Name of Project Leader *

Please write your First Name not in capital letters e. g. Max!





Team Registration Landing Page

Smart Green Island Makeathon 2026

- Team Registration
 - Use our Landing Page for all Registration Processes/Requirements

www.itq.de/smart-green-island-makeathon-team-registration



REGISTER LATER HERE!

Start Making

Material Output

- The required materials can only be ordered after the Team has registered
- There will be only 2 fixed Time Slots for purchasing additional materials



Overview Material

Available Software & Hardware

1. Construction/Kits

- Various Robots
- Maker Beams
- Robot Kits
- And much more...



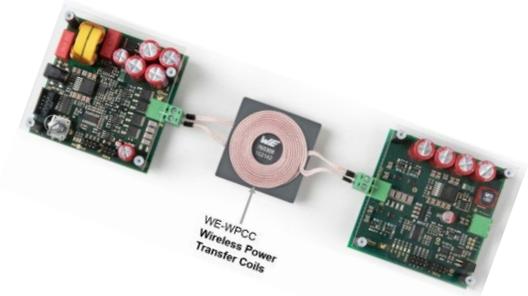
3. Sensors

- Large variety of Sensors and Actors
- Magnets, LEDs, Switches, Bearing Balls
- Digital Solder Stations
- And much more...



2. Programming

- MATLAB
- Simulink
- TwinCAT, Automation Studio
- DAVE, Halcon
- And much more...



4. Developer Boards

- Various Arduino Boards
- ESP 8266/ESP 32
- PLC
- Raspberry Pi ³/₄
- And much more...



Start Making

3D Printer Orders

- The 3D Models can only be ordered after the Team has registered
- There will be an End Time on the last day until 3D Models will be accepted
- There will be a maximum size of 3D Models and Cases which will be not printed
- More detailed Information will be available on the file upload site



Free Licences

MVtec Computer Vision Software

- MVtec is offering free Machine Vision Software HALCON licenses for the MAKEATHON
 - Licenses are available during the MAKEATHON

- In addition, our other products – the Deep Learning Tool and MERLIC – are also available for free download here

- Send an E-Mail to philipp.junge@mvtec.com. He will provide you with your personal license as well as Installation Instructions

- More Information available during the MVtec Hands On Workshop



Free Licences

MATLAB Simulink Software

- MathWorks is offering free MATLAB Simulink licenses for the MAKEATHON
 - Licenses are available 2 weeks before the MAKEATHON
 - Expires 1 month after the MAKEATHON

- Licenses can be downloaded here
 - [MATLAB Simulink Software](#)

- Introduction to the software (Chapters 1-5 Simulink Onramp) via the following link
 - [More Details about Simulink Onramp](#)

- More Information available during the MathWorks Hands On Workshop



Evening Pitches

Daily Presentations of all Teams

- At the end of each day, all Teams gather for the Evening Pitches
 - On the first day: Introduction of the Team and the Idea
 - On the following days: Presentation of Progress



Smart Green Island Makeathon Sponsors



Platinum



Sponsoring Level



Gold



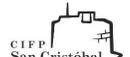
Silver



Bronze



Universities, Institutions and Vocational Schools





SMART GREEN ISLAND MAKEATHON 2026