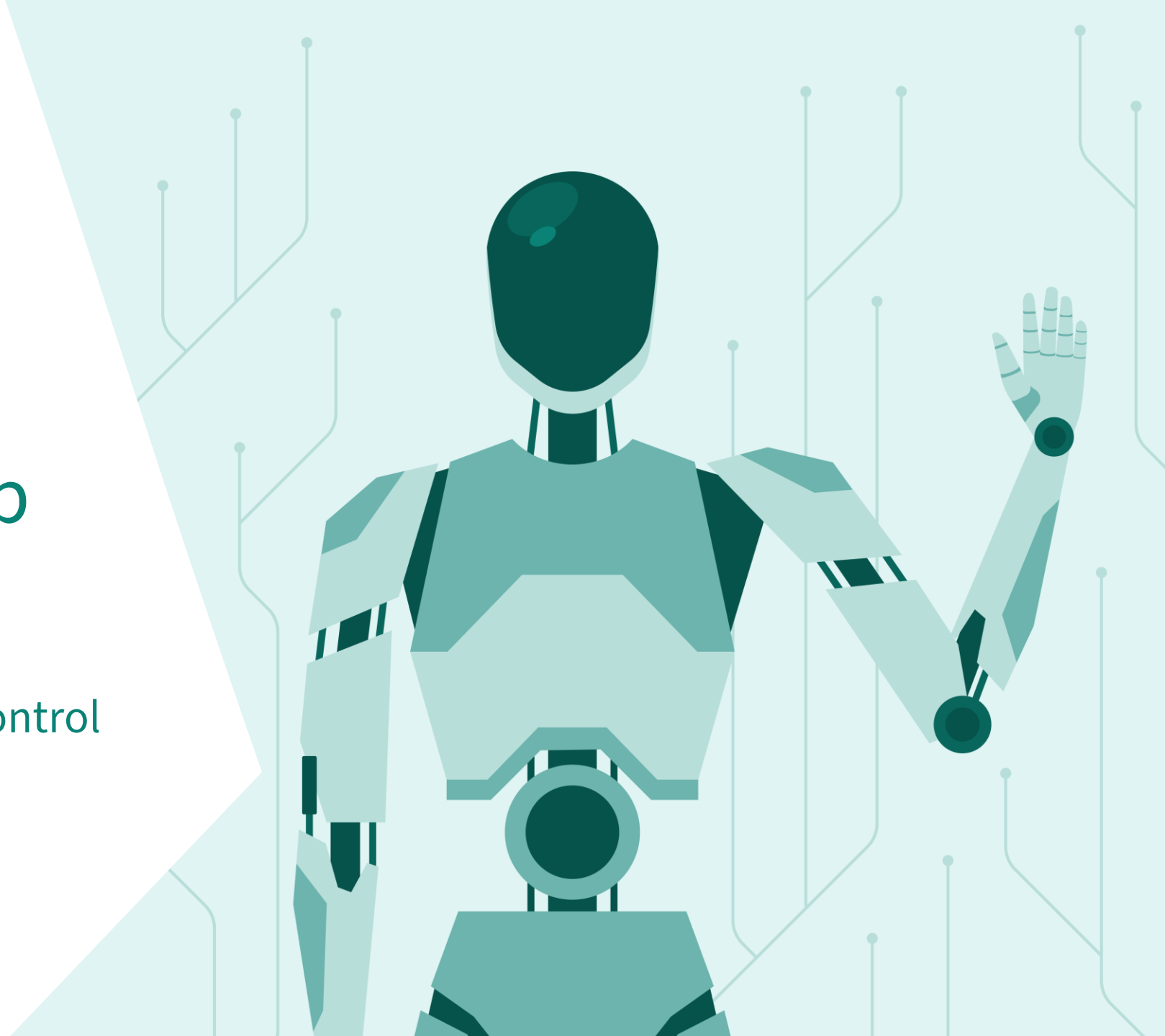




# Infineon Startup Challenge 2026

Where power, sensing, and control  
become human-scale



# Ready for the Infineon Startup Challenge 2026?

Where power, sensing and control become human-scale

**Join the Startup Challenge if your hardware solution is based on these focus areas:**

- **Digital twins** – System simulations with for example ISAAC Sim & Omniverse
- **Artificial skin and hand** – Pressure, capacitive, inductive & magnetic sensor solutions
- **Environmental sensing** – EdgeAI based image processing & radar and sensor fusion
- **Visual feedback** – Show intent with movement and or a laser beam scanner
- **Motor control** – Advanced movement solutions

**What you will receive:**

- Access to prototyping kits and development resources
- Enablement to develop, EdgeAI using Deepcraft™ Studio, motor controls and sensors
- Guidance throughout prototype development
- Technical support from Infineon, Rutronik & Würth Elektronik
- Business coaching & pitch training from ecosystem partners



**Shape the future of robotics with us!**

**Apply here – Deadline: May 27th**

**Apply now!**



# Ready for the Infineon Startup Challenge 2026?

Where power, sensing and control become human-scale

Join a structured program designed to accelerate your startup's growth

## The selection process:

- **Apply now** – Submit your concept and solve tomorrow's challenges with robotics
- **Be invited to the [Silicon Saxony Days](#)** – 24 startups join the pre-selection pitch
- **Pitch** – Present your idea and development strategy in Dresden, June 16<sup>th</sup> -17<sup>th</sup>
- **Be selected and join** – 12 startups join the official program, June – Oct. 2026

## Your opportunity:

- **Be invited to the Demo Day during [EBS Conference](#)** – Pitch your results
- **Pitch** – Present your MVP and your future roadmap in Graz, Oct. 6<sup>th</sup> -7<sup>th</sup>
- **Network with decision-makers** – Connect with VCs & Infineon executives
- **Long-term collaboration** – Advance to a comprehensive one-year program

Shape the future of robotics with us!

[Apply here – Deadline: May 27th](#)



Apply now!



# Robotics: evolving applications across industries

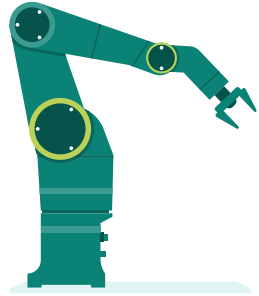
A small history and outlook for the future of robotics



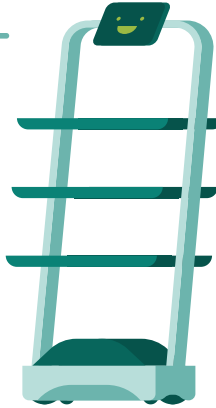
IPCEI Microelectronics and Communication Technologies



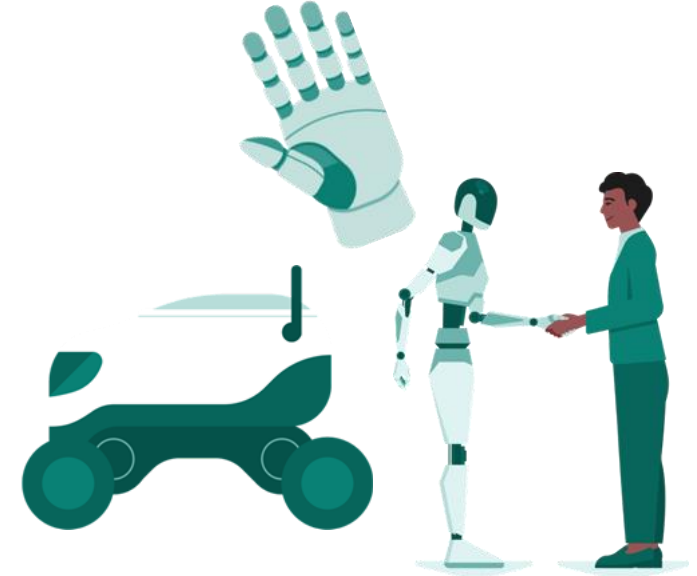
Infineon co-innovation program



Established robotic assistance



Up and coming robotic assistance



Human level robotic assistance

- Cobots (Industrial)
- Logistic robots
- Lawn mowing robots
- Robot vacuums
- Drones (Consumer)
- Drone (Agriculture, Inspection)

- Inspection robots
- Hospitality robots
- Drones (Transportation)
- Cobots (Consumers)

- Humanoid robots
- Exoskeletons
- Logistic robots (Outdoor)

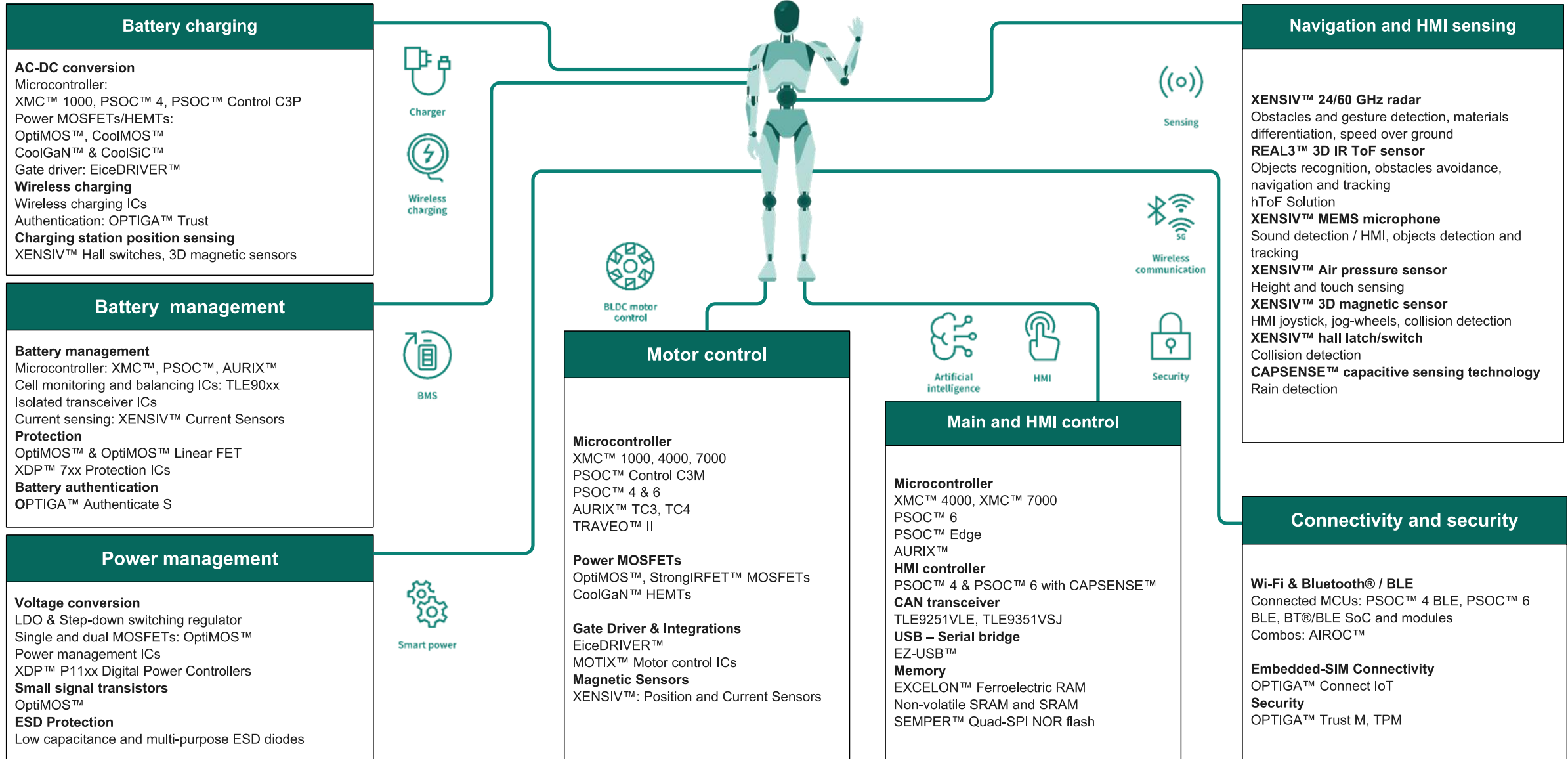
Past

Present

Future

# Infineon solutions for every functional block

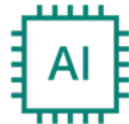
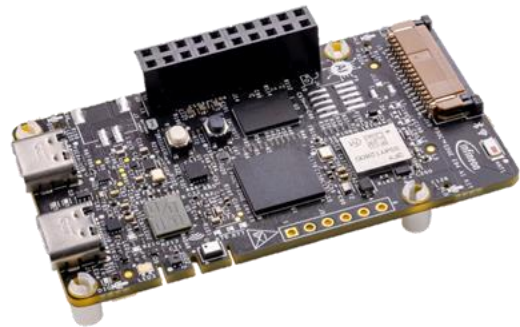
An overview of all of Infineon's offerings for humanoid robotics



# Your „starter package“ for the Startup Challenge

Check out our offering for this years Infineon Startup Challenge

## Motor control



## Edge compute and environmental sensing



## Visual feedback



## Artificial skin

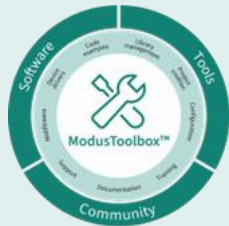


# Infineon's software and hardware offering

Develop your hardware with the help of our prototyping kits and our software

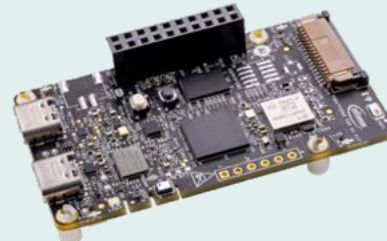
## Software

Development Ecosystem and IDE



**ModusToolbox™ Software**

Environmental Sensing Kit



**PSOC™ Edge E84 AI Evaluation Kit**

Artificial Skin Kit



**PSOC™ 4000T Multi-Sense Prototyping Kit**



In-House AI Development Software



**DEEPCRAFT™ Studio**

Motor Control Kit



**Rutronik Application Kit - GAN**

Visual Feedback Kit



**Laser Beam Scanner Prototyping Kit**

# Artificial skin via capacitive and inductive sensing

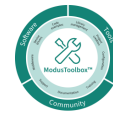
## PSOC™ 4000T Multi-Sense Prototyping Kit

### Hardware Features:

- PSOC™ 4000T Microcontroller
- 64KB Flash, 8KB SRAM
- A CAPSENSE™ hover touch board
- LEDs for visual feedback
- 2 Inductive keypad boards
- Liquid level sensing
- USB Type-C interface
- UART, SWD, SPI and I2C interfaces
- 2.0-5.5V operation

### PSOC™ 4000T Multi-Sense Prototyping Kit

### Software support:



ModusToolbox™  
Software



Link to Product



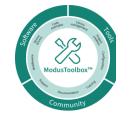
# Environmental sensing

## PSOC™ Edge E84 AI Evaluation Kit

### Hardware Features:

- PSOC™ Edge E84 MCU with 512-Mbit QSPI flash, 128-Mbit Octal RAM
- CYW55513 AIROC™ Wi-Fi and Bluetooth® combo for Wi-Fi and Bluetooth support
- A MIPI-DSI connector
- Speaker interface
- USB Type-C host and device interfaces
- IO expansion header

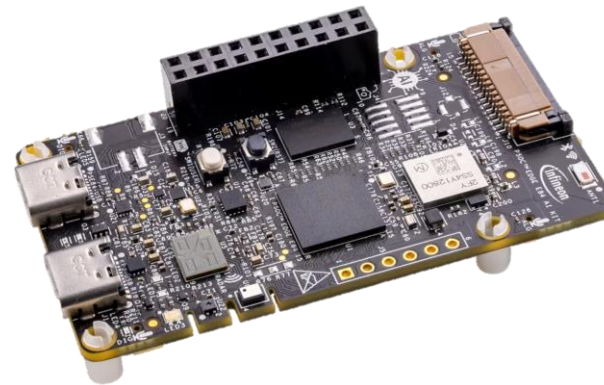
### Software support:



ModusToolbox™  
Software



DEEPCRAFT™ Studio



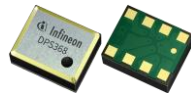
### PSOC™ Edge E84 AI Evaluation Kit



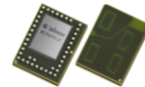
IMU sensor



analog/digital microphones



barometric pressure sensor



60Hz Radar

Link to Product



IPCEI Microelectronics and  
Communication Technologies



Infineon  
co-innovation  
program

# Visual feedback

## Laser Beam Scanner Prototyping Kit

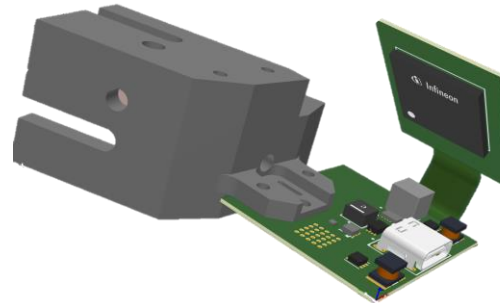
### Hardware Features:

- 640x480px at 15-bit color
- 50 pictures or 1.5s of animation
- 21lm output (ambient room temperature)
- Only USB Type-C connection required
- Autostart with last loaded settings
- Plug&Play Module or Chipset available

### Software:



- Infineon Calibration Tool &
- Infineon PGU GUI Tool



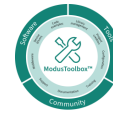
# Motor Controller

## Rutronik Application Kit - GAN

### Hardware Features:

- Compact GaN-based application kit for motor control and power conversion.
- PSOC™ Control C3M5 Digital Power Control Card
- CAN-FD interface
- Independent control & power stage boards.
- GaN transistors (HEMTs)
  - high-frequency switching
  - lowest possible switching losses
- 48 V Supply Voltage for Motor Drive and DC-DC Converter
- Hall and Encoder Interface
- Inrush current protection circuit
- Current measurement with Infineon TMR sensors

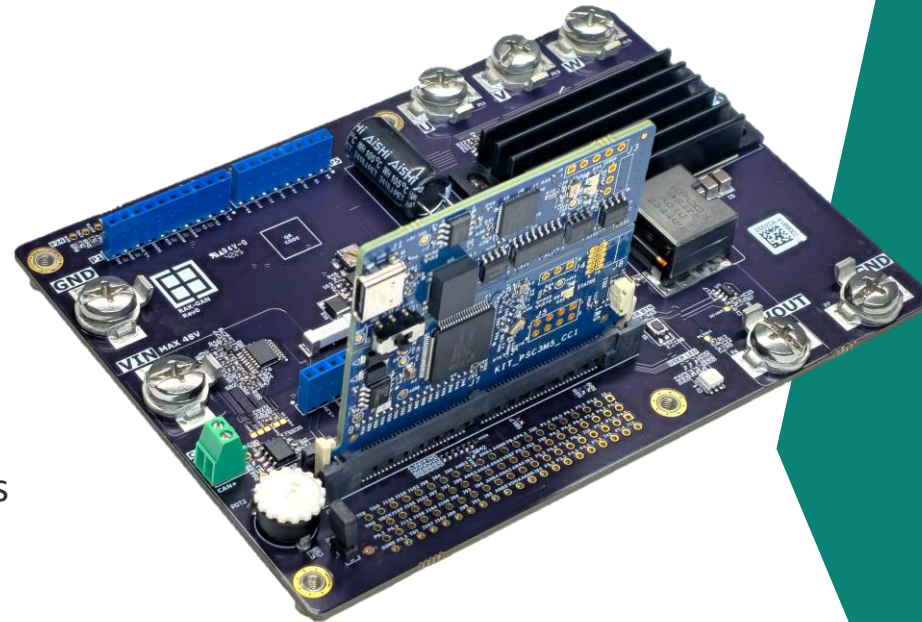
### Software support:



ModusToolbox™  
Software



DEEPCRAFT™ Studio



IPCEI Microelectronics and  
Communication Technologies



Infineon  
co-innovation  
program

# Are other sensors needed?

No issue, check out our complete sensor offering!

## Gas sensors

## Microphones

## Pressure sensors

## Magnetic sensors

## mmWave Radar

## Magnetic switches

## Time of Flight sensors

## Capacitive and Inductive sensors

## Current sensors



If you need other sensors for your application, have a look on our webpage and [check our offering](#). Connect them to the microcontroller board and bring them to life in your prototype.

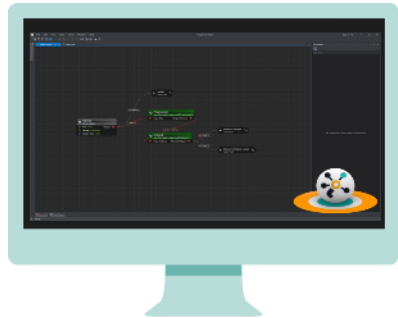
# DEEPCRAFT™ AI Suite

Your fast-track to intelligent, low-power Edge AI products

**DEEPCRAFT™ products** provide **innovative, trustworthy, convenient and green AI** software solutions for customers. Our **portfolio** offers **end-to-end Edge AI** and **best-in-class system performance in combination with Infineon Hardware**.

## Platform & Tools

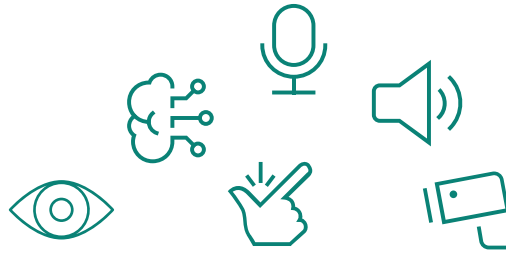
For data collection & pre-processing, model training, model conversion & deployment.



**DEEPCRAFT™ Studio**  
**20+ DEEPCRAFT™ Studio Accelerators**  
**DEEPCRAFT™ Model Converter**

## Solutions

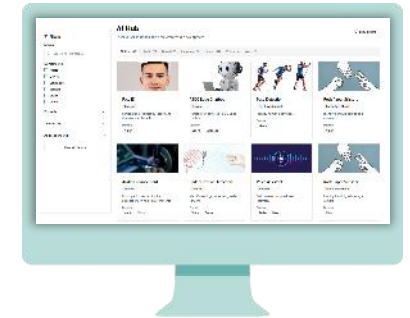
Collection of high value tools, models and configurators to add AI-based capabilities. Range across sensor and data types, from off-the-shelf to customizable solutions.



**DEEPCRAFT™ Ready Models**  
**DEEPCRAFT™ Audio Enhancement**  
**DEEPCRAFT™ Voice Assistant**

## DEEPCRAFT™ AI Hub

Find the DEEPCRAFT™ Studio platform, plus the models, demos, solutions, tools and more that you need all in one centralized hub.

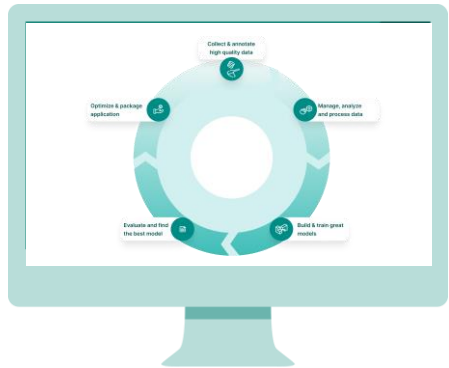
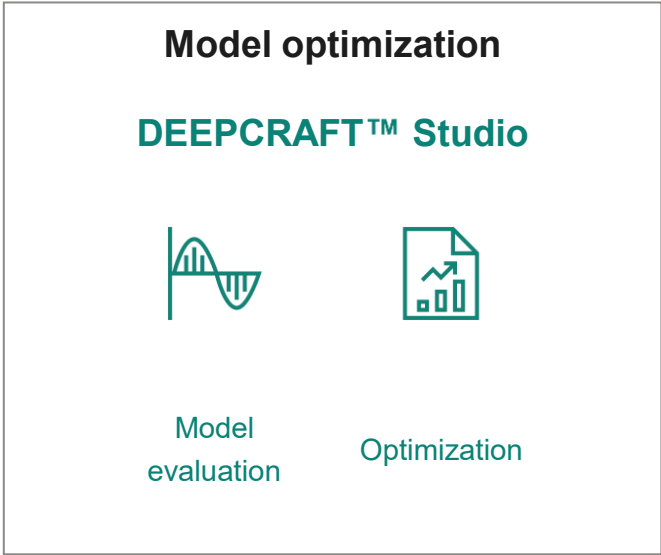
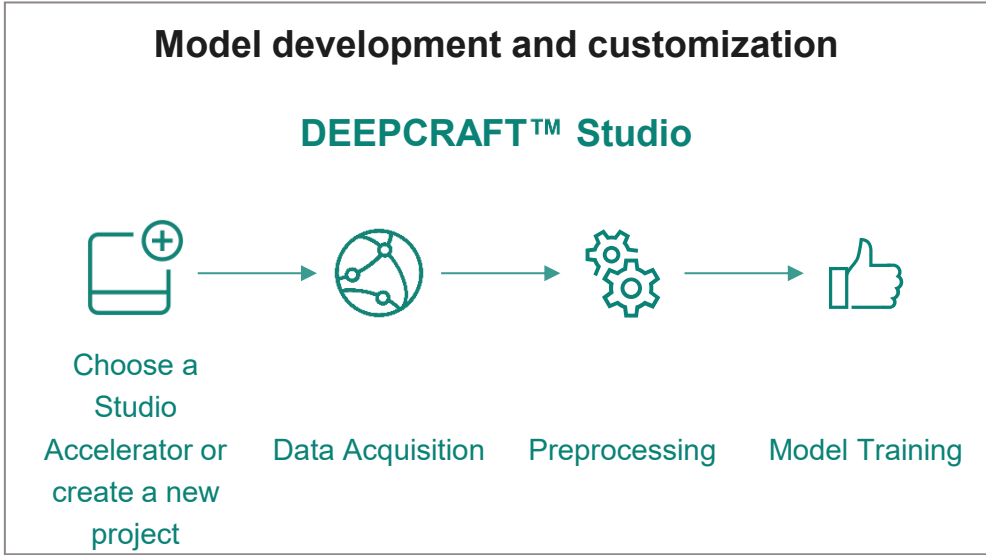


**Explore the DEEPCRAFT™ AI Suite,**  
**open-source models, and more.**  
**Everything Edge AI in one place!**

# DEEPCRAFT™ Studio

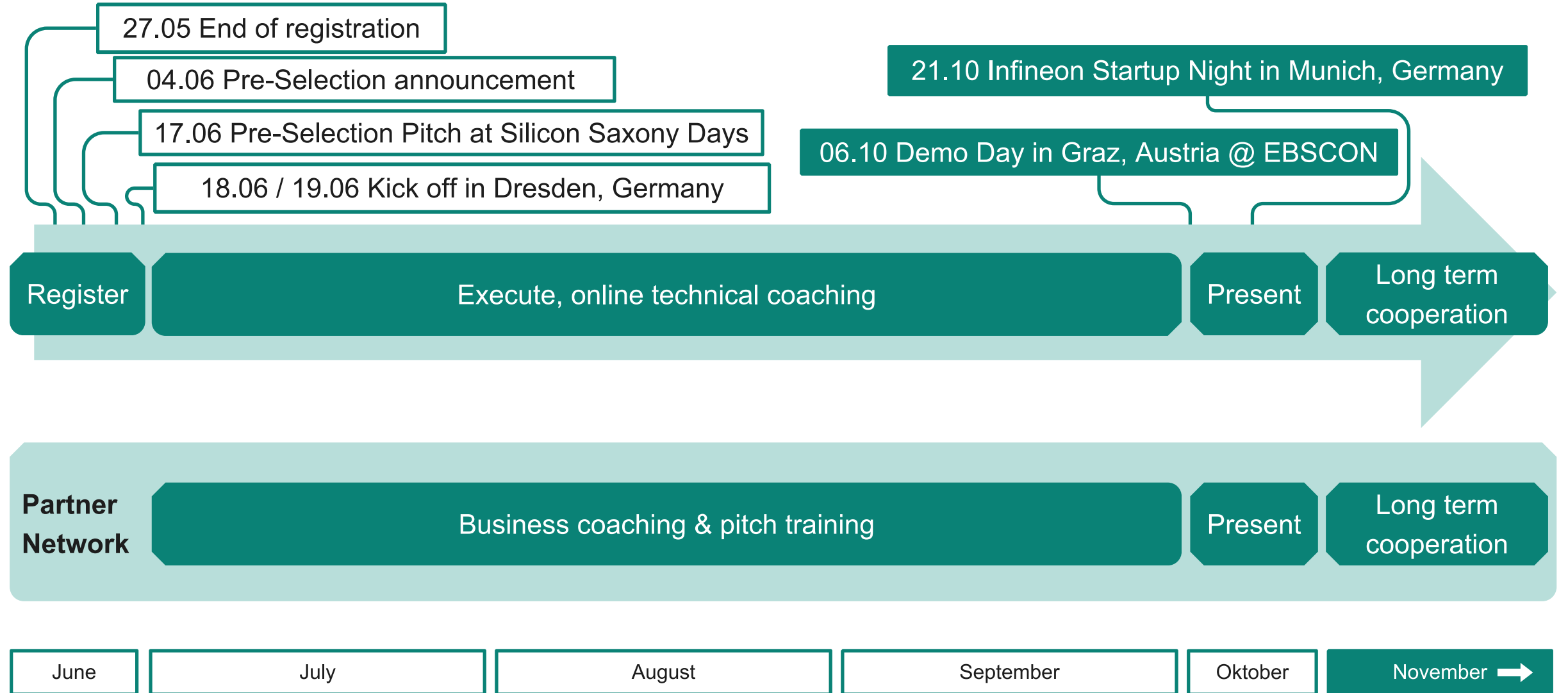
The journey from AI/ML model development to embedded software

## Build a new custom model, starting from scratch or using a DEEPCRAFT™ Studio Accelerator



# Timeline for the Startup Challenge 2026

Take a look, see what to expect before and during the challenge



# Selection Pitch & Kick Off Workshop

Be pre-selected and join us for the 20<sup>th</sup> Silicon Saxony Days in Dresden



## Registration

- Describe your startup idea & your motivation to attend



## Silicon Saxony Days

### Pre-selection

- 24 startups will be selected and get invited to join the Silicon Saxony Days

### Silicon Saxony Days

- Join the exhibition and present during a public pitching event

### Final selection

- 12 startups will be selected for the Startup Challenge 2026

20<sup>th</sup>  
SILICON  
SAXONY  
DAYS

THE INTERNATIONAL HIGH-TECH  
AND NETWORKING EVENT

15-17 June 2026 | Airport Dresden, Germany



## Kick Off

- **Kick-Off Workshop**  
Attend onsite in Dresden on June 18<sup>th</sup> & 19<sup>th</sup>
- Begin of the Infineon Startup Challenge 2026

Till May 27<sup>th</sup>

June 17<sup>th</sup>

June 18<sup>th</sup> / 19<sup>th</sup>

# Infineon Demo Day & Investor Dinner

Present your hardware MVP and meet investors at EBSCON in Graz

## Onsite Pitch Training

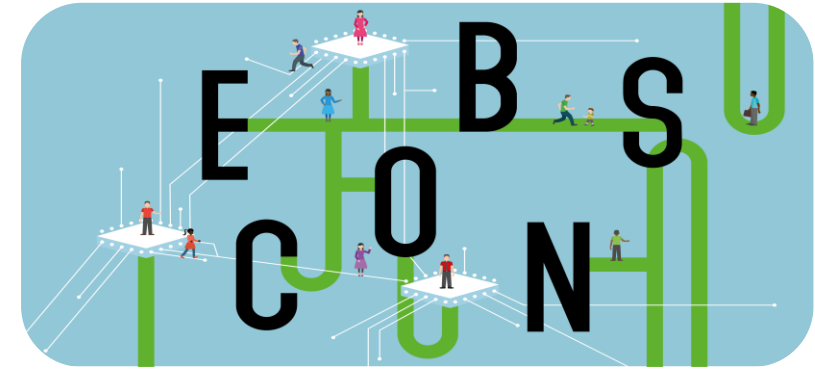
- Optimize your pitch during an onsite pitch training at Science Park Graz



## Investor Pitch & Investors Dinner

Pitch in front of:

- Investors
- Startup ecosystem
- visitors from the electronics industry
- Infineon management



## Your Booth @ EBSCON Graz

- Present your Startup at the conference
- Show your results

October 5<sup>th</sup>

October 6<sup>th</sup>

October 7<sup>th</sup>

# Business Coaching and Pitch Training

Join an **exclusive** Summer school program including

- Online Lectures
- Online and Onsite pitch trainings

This will be executed by an exclusive team of business partners supporting the Infineon startup challenge. They will help you to

- work on your business case
- understand customer needs
- attract investors
- prepare for an excellent pitch at Demo Day



## Business partners



Co-funded by the  
European Union 



# PODIM



