CLOUDHUB SHOWCASES

Introducing the innovative demos and T-Systems Cloud Services products showcased at the CloudHub in Budapest.

INTRODUCTION

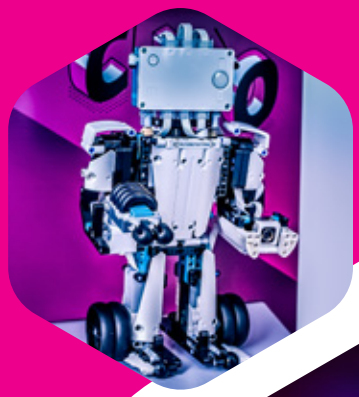
The place to collaborate, to learn, to network: all to create the way of tomorrow.

CloudHub is a great place not only for sales presentations and customer/partner innovation workshops, but for off-site university classes as well.

Table of Content

CLOUDHUB
(SHOWROOM, STUDIO, INNOVATION LAB)

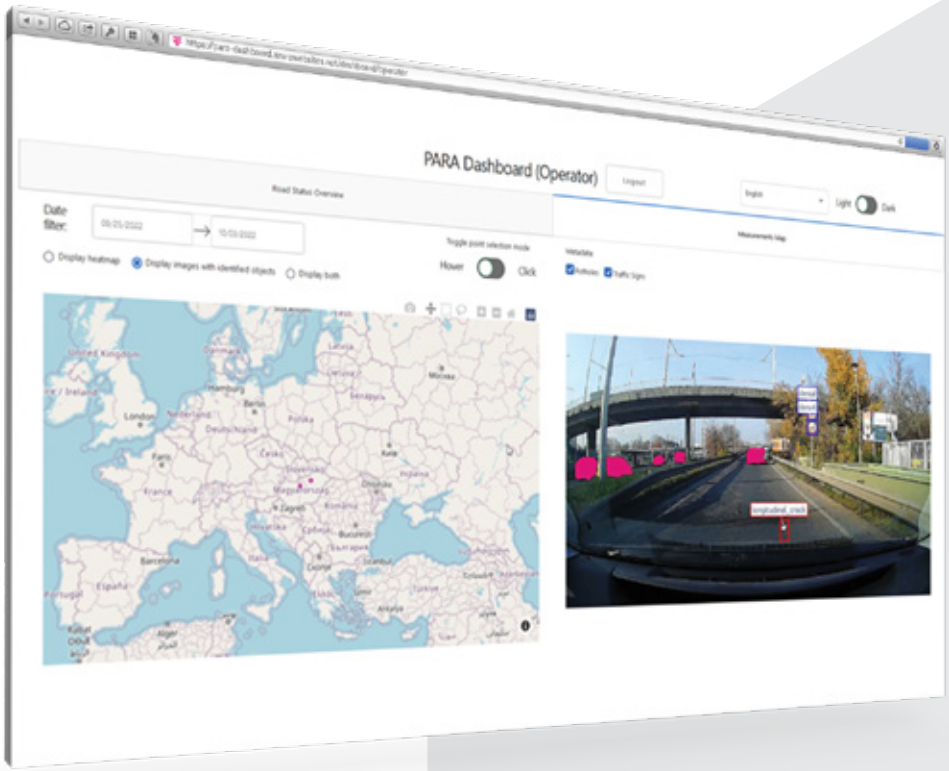
While the magic is made in the CloudHub Showroom and the Innovation lab, the studio is where it can be shared via streams and recording.



PARA

Wanna get to know more about the roads you drive on? Luckily you only need your smartphone and the PARA!

Our **P**redictive and **A**daptive **R**oad **A**nalyzer helps you monitor the status of the road infrastucture components by recording images, vibration, location and speed. You don't event have to worry about storing and analysing these data – they are being send to the cloud so you can see the results via a dashboard online.

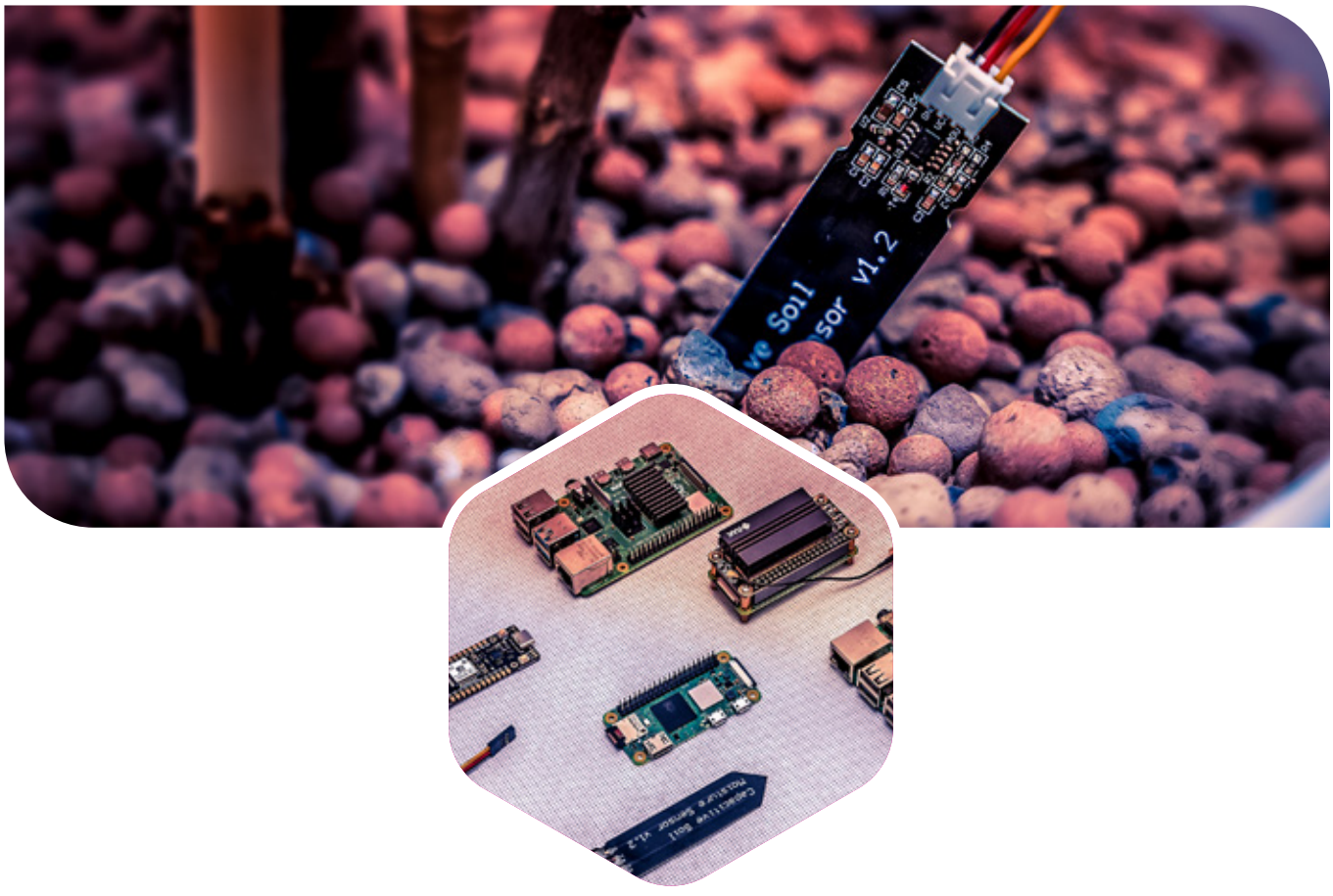


DEUTSCHE TELEKOM IT SOLUTIONS

GEEK GARDENER

Are you also having a hard time keeping your plants alive? The Geek Gardener is here to the rescue!

This composition uses a simple IoT application to guide through on Azure's Arc enabled services deployed on a remote Kubernetes cluster. By using a microcontroller it collects soil moisture data and sends these results in every minute via WiFi – it can learn trends and patterns, and if you want it even notifies you when your plants need watering!



IoTrains

This project uses Azure Arc's edge computing platform to develop a real-time solution for anonymizing faces in camera feeds. By leveraging machine learning algorithms, we can mask the faces in the video feeds and store the data in a GDPR-compliant way.

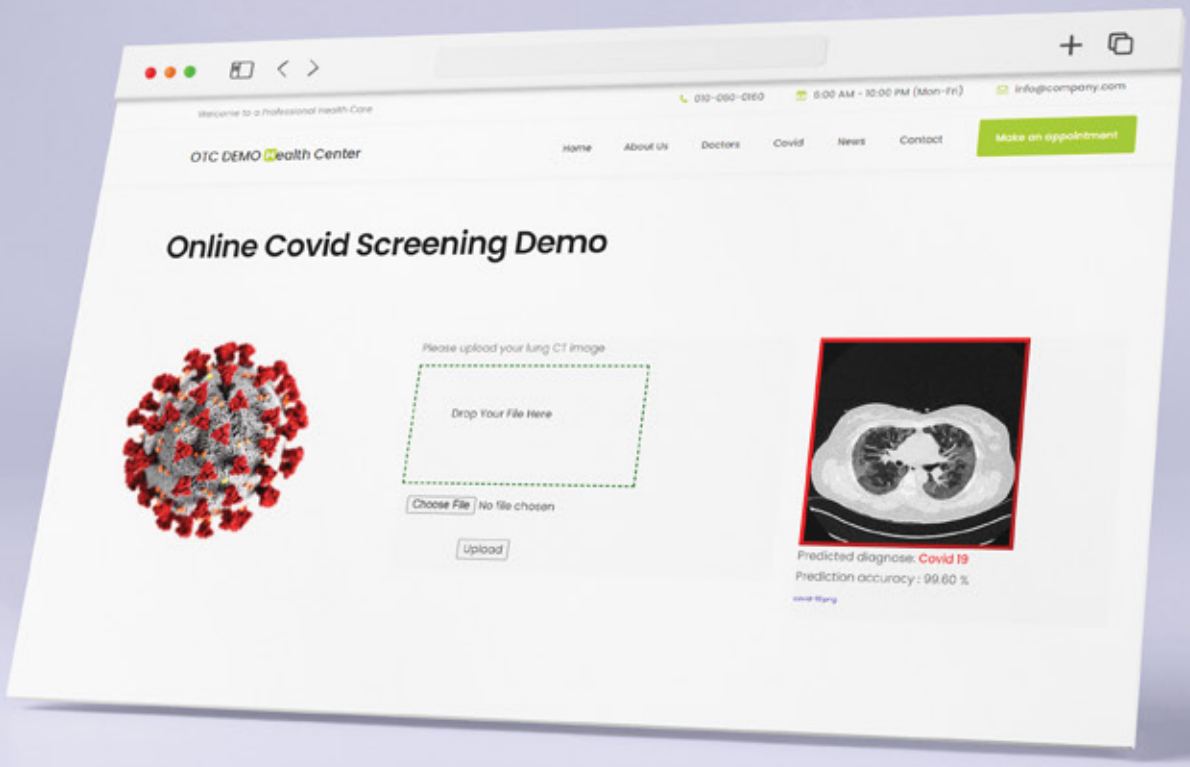
ONLINE COVID SCREENING

Get to know the Open Telekom Cloud's Auto Learning AI Service ModelArts!

Open Telekom Cloud

Not only can it detect various patterns by analyzing your chest X-Rays or CT scan images but also tell us the likelihood of anomalies being present.

(Please note that these results are not equivalent to and cannot replace a diagnosis by a doctor.)

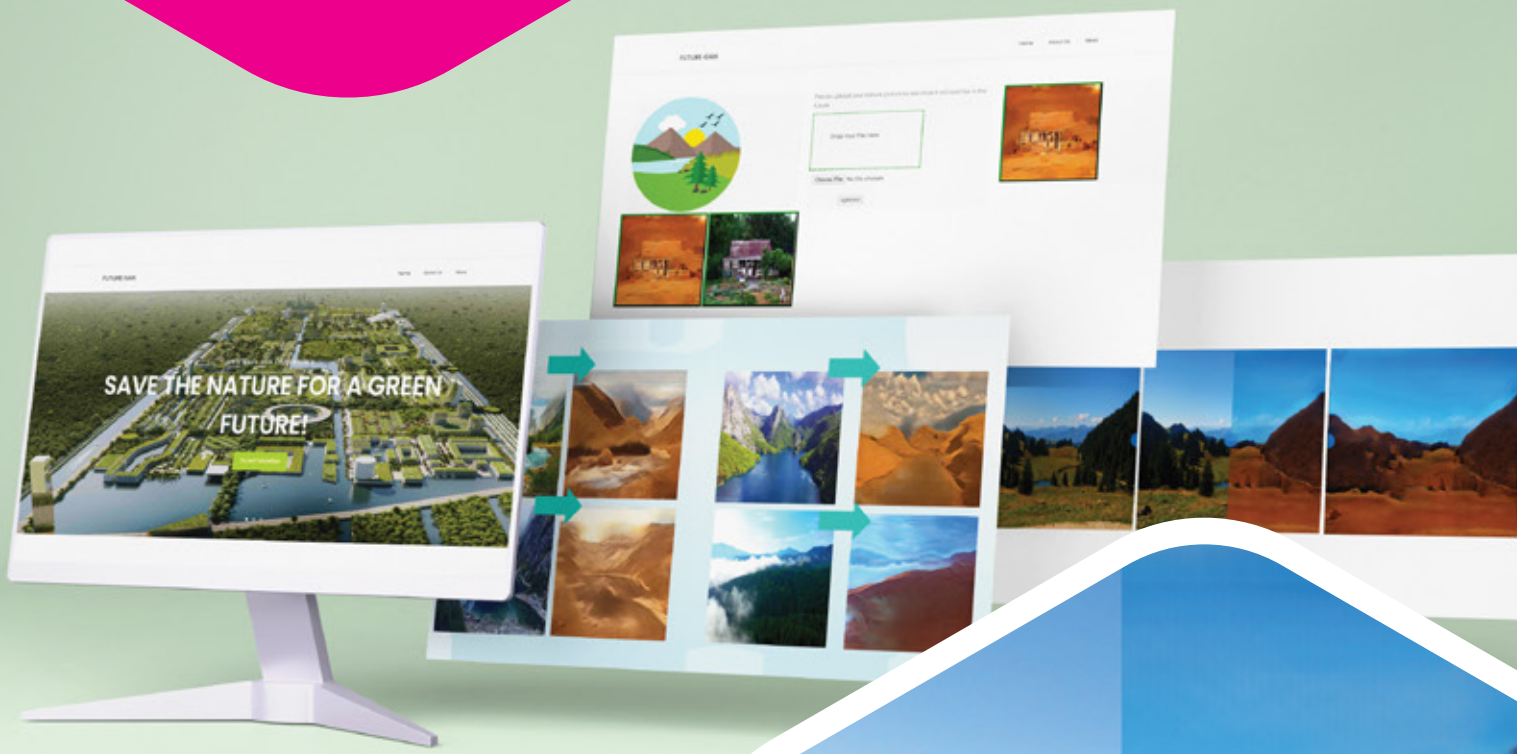


FUTUREGAN

We all know about the negative effects of climate change – but what do erosion and desertification do to our planet? Face the apocalyptic future with FutureGan!

Our tool uses AI, deep learning methods and Generative Adversarial Network, and runs in Container OTC, where Kubernetes servers all AI and BigData.

Open Telekom Cloud

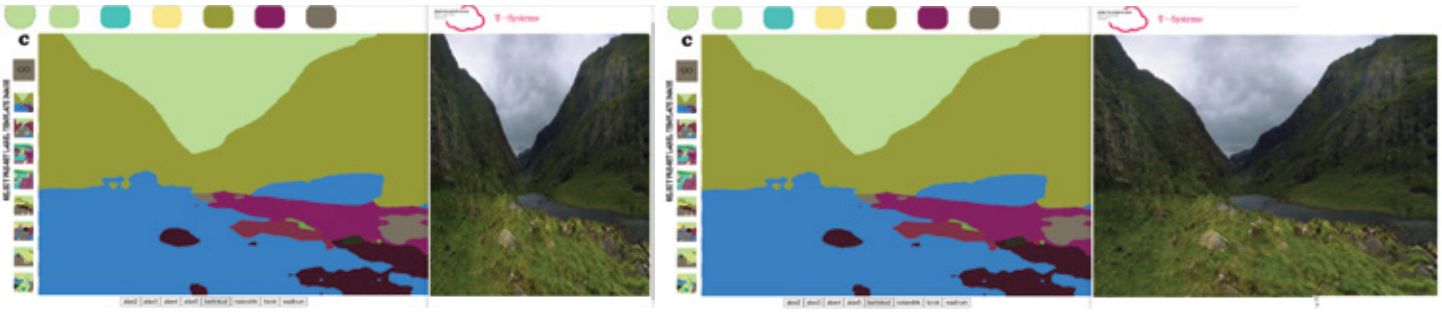


OTCGan

Let your imagination run wild - reshape pictures in less than a second!

Open Telekom Cloud

Get to know the OTCGan and play around with simple lines and colours! It uses AI and Generative Adversarial Network technology that makes it possible to create unique, photorealistic landscapes.



AI BASED MASK DETECTION

Open Telekom Cloud

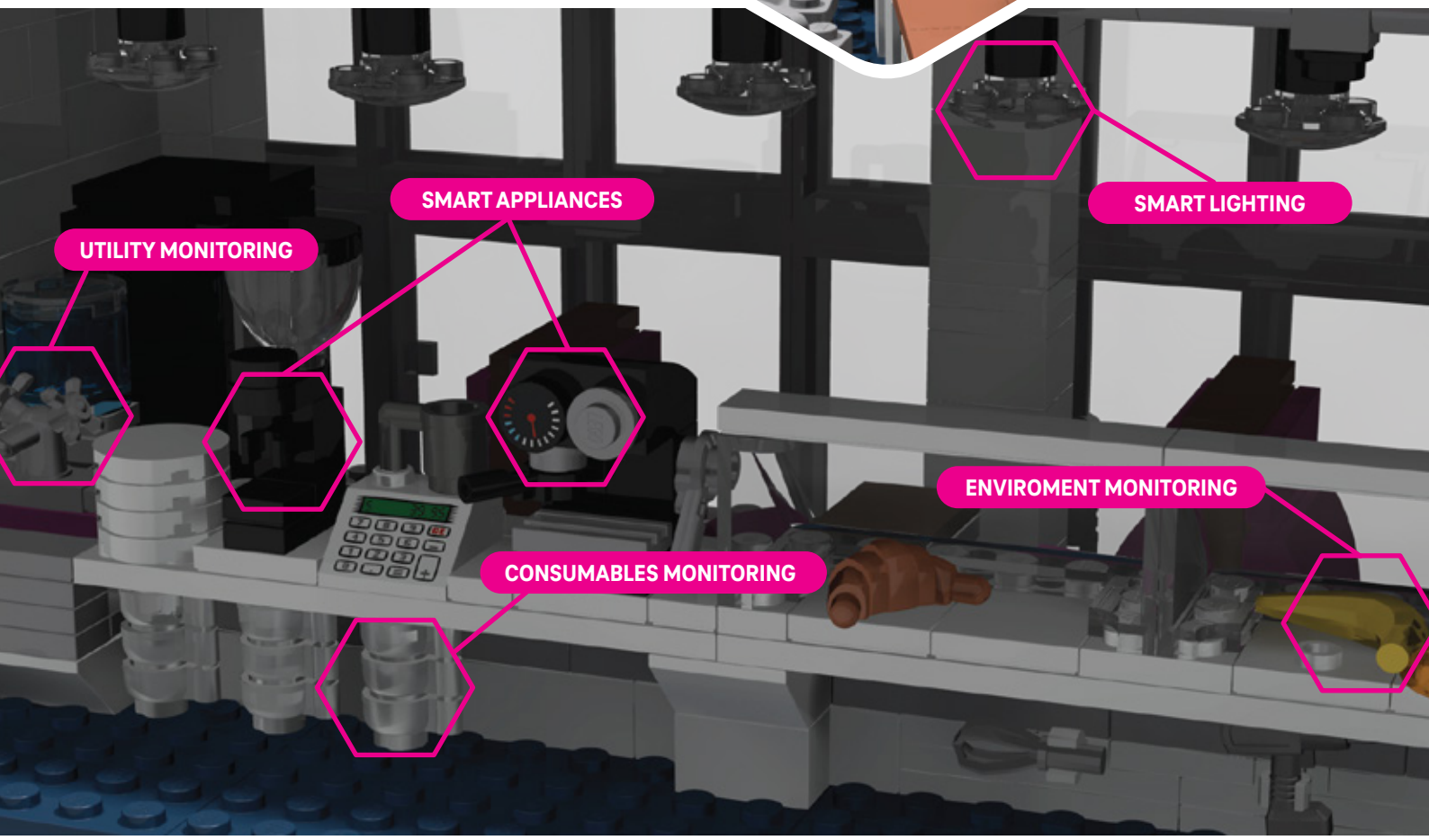
With our startup partner DeepVA, we developed a simple web app that reminds you of wearing a mask.

The app combines the easy-to-train deep-learning platform of DeepVA with the computing power of OTC OpenShift.

SERVICE NOW

A comprehensive control center for internal and external service requests along the entire value chain, including customer service management, marketing or cross-cutting issues such as security operations, governance, risk & compliance (GRC), as well as building, and asset management, etc.

Open Telekom Cloud



LEGORACER

Get to know the OpenShift Platform of OTC in an appealing usecase.

LegoRacer is a car connected to our own OpenShift PaaS platform in the cloud. Coupled with our automotive sensor showcase, all raw data from the car's sensors can be evaluated after the test drive of the LegoRacer.

Open Telekom Cloud

DIGITAL TWIN

A digital twin is a digital representation of an intended or actual real-world physical product, system, or process that serves as the effectively indistinguishable digital counterpart of it for practical purposes, such as simulation, integration, testing, monitoring, and maintenance.

CLOUDHUB IN METAVERSE

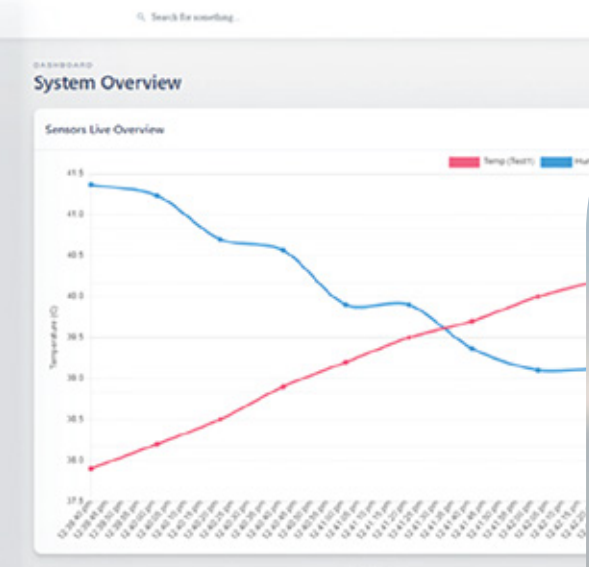
Open Telekom Cloud

Take a look around in the virtual dupe of CloudHub – discover and have meetings in the Metaverse!

IoT - WIND TURBINE

Colleagues at Digital Solutions developed a demo for an industrial IoT application, showcasing a monitoring solution for wind turbines, analyzing thresholds, and detecting anomalies to apply predictive maintenance.

This showcase includes a resized wind turbine, which sends real-time data to the dashboard, allowing the user to be alerted via their phone, if a critical value is reached - all done live with the client.



LEARN WITH US!

Amongst our demos we have several educational tools which can be used...

BY UNIVERSITY STUDENTS

BY OUR COLLEAGUES

FOR EDUCATIONAL PURPOSES

FOR HACKATHONS

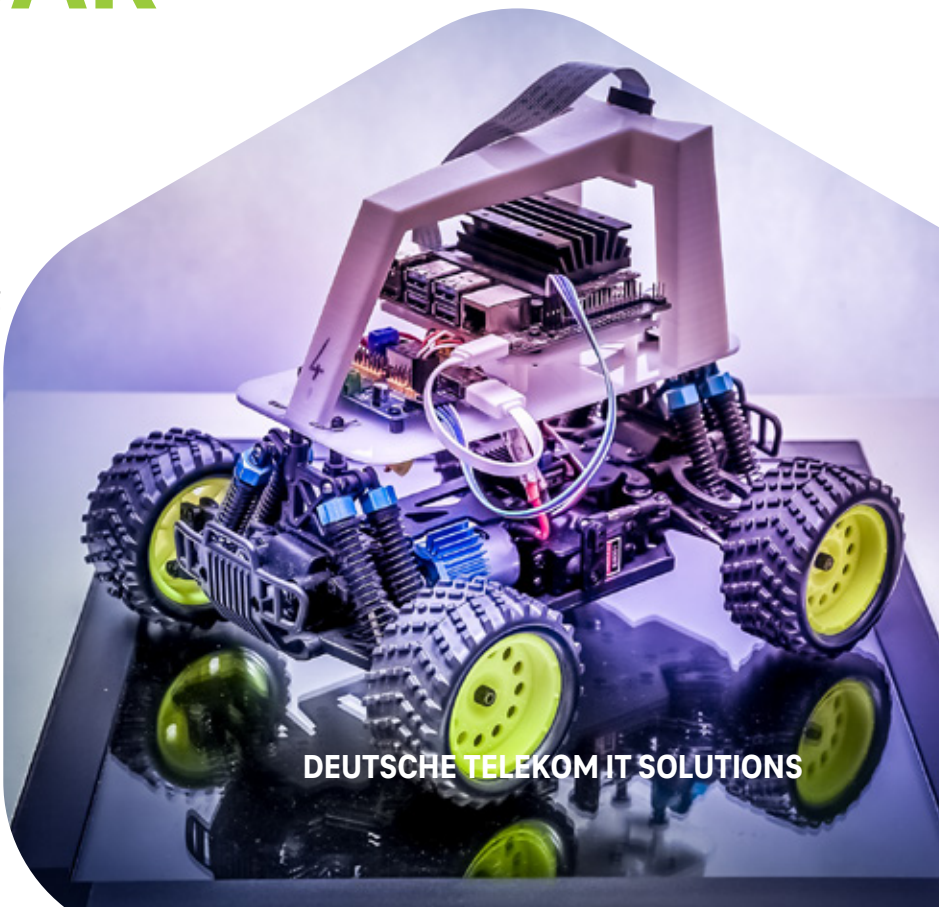
HOLOLENS 2

HoloLens2 is the second iteration of the revolutionary head-mounted mixed reality device created by Microsoft.
This device is to be placed on one's head, with a visor over the eyes, enabling a completely new way of interacting with information.

DONKEYCAR

DonkeyCar is an open-source DIY self-driving platform for small scale cars.

It can be built individually, and it can be self- or remote controlled by your phone or laptop. Great way for students to learn and compete.



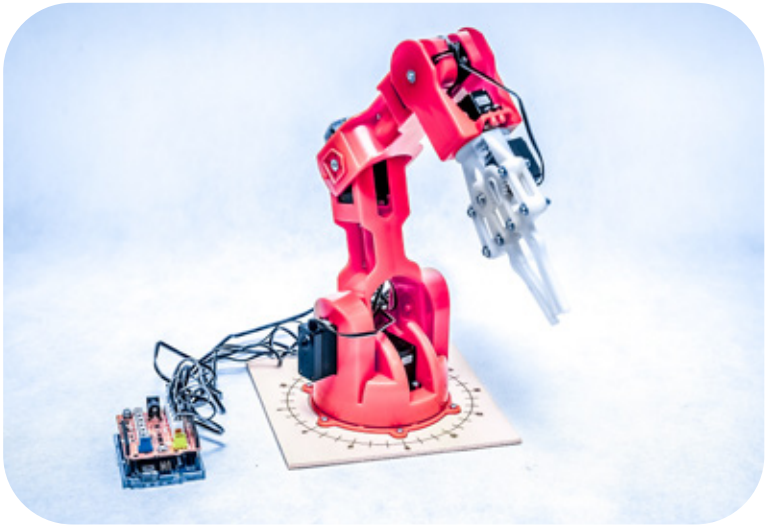
AWS DeepRacer

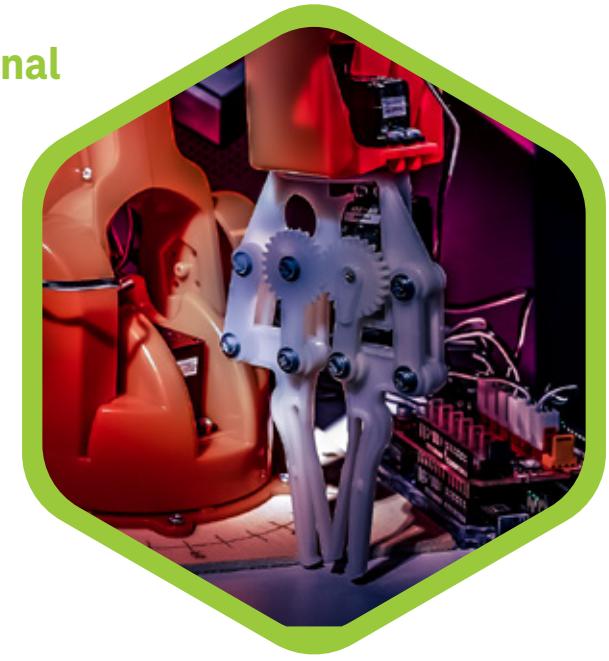
AWS DeepRacer provides an interesting and fun way to get into reinforcement learning - an advanced machine learning method.

It is an autonomous vehicle that learns to find its way using a camera and the AWS cloud.

TINKERKIT

The TinkerKit Braccio is a fully operational robotic arm, controlled via Arduino.





THE PACKET

Have you always wondered how the internet operates? Get insight with The Packet - try out our VR game and get the packet to its destination with this quick cartoony simulation!

It is a great example how easy it is to create animations, storytelling in the metaverse.

VR & AR

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