BMW GROUP + QUT DESIGN ACADEMY

2020 PHOTOBOOK

A collection of some of our favourite images from throughout the year. Grab a coffee, sit back and enjoy!

BMW GROUP QUT

A collaboration between BMW Group + Queensland University of Technology

Welcome to the inaugural BMW Group + QUT Design Academy Photobook. We are very excited to showcase some of our favourite photos and images from 2020. These photos catalogue some of our achievements, projects, and experiences as part of our journey through this exciting collaboration between QUT and BMW Group. We hope you enjoy the visual inspirations within.

Rafael Gomez
Founder + Academy Lead

BMW Group + QUT Design Academy

INTERNSHIPS

In Semester 2 we welcomed our first ever interns at the Academy, including Emily Boehmer, Ellie McBain, Damian Noviello and David Quick. These aspiring professional designers completed an internship at the Academy, each of them electing to complete the ‘3D Asset Creation’ project. This challenged them to model and texture three assets of their choice and then present their work in a VR scene. The advanced 3D modelling and visualisation skills they learned, along with the virtual reality experience, is applicable to the cutting-edge projects at BMW Group and their future studies and professional careers.

Internship Presentation
BMW Group + QUT Design Academy office, 2020

Photo by © Jordan Domjahn

Emily Boehmer computer modelled and textured the following assets:

1. Door + door handle
2. Skateboard
3. D-O Droid (Star Wars)

D-O Droid Visualisation
BMW Group + QUT Design Academy office, 2020

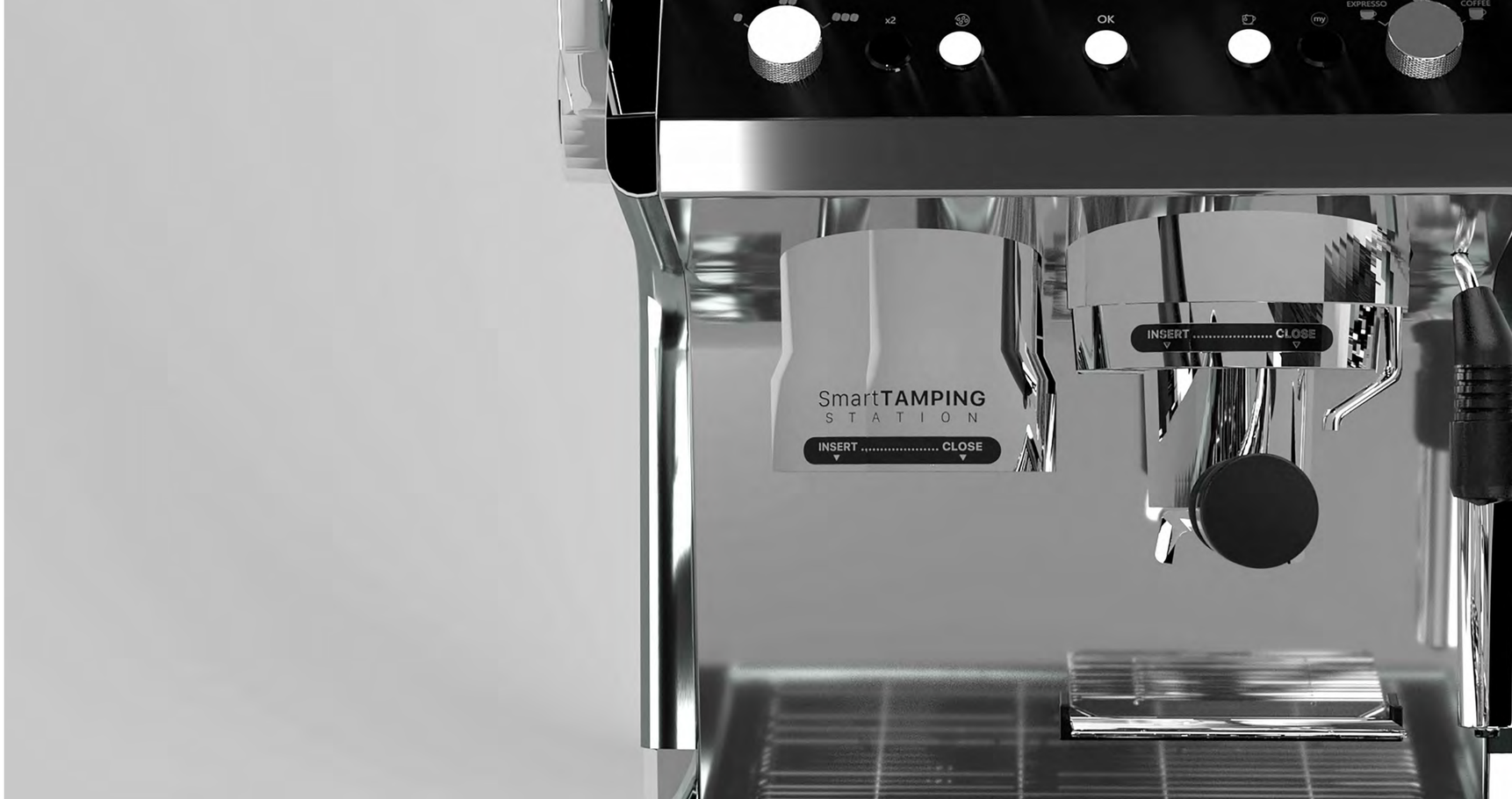
Image by © Emily Boehmer

Ellie McBain computer modelled and textured the following assets:

1. Bar stool
2. Pendant light
3. Coffee machine

Coffee Machine Visualisation
BMW Group + QUT Design Academy office, 2020

Image by © Ellie McBain



Damian Noviello computer modelled and textured the following assets:

1. Lightsaber (Star Wars)
2. Razer Basilisk wireless gaming mouse
3. Bobba Fett helmet (Star Wars)

Bobba Fett Helmet Visualisation
BMW Group + QUT Design Academy office, 2020

Image by © Damian Noviello

David Quick computer modelled and textured the following assets:

1. Lunch box
2. Workbench & vice grip
3. Laser pistol (Fall Out 3 computer game)

Laser Pistol Visualisation
BMW Group + QUT Design Academy office, 2020

Image by © David Quick

SPECIAL PROJECTS

The image you see here is of the new iw.hub, which is formally known as the Smart Transport Robot (STR). This robot is the output of a collaboration between BMW Group and NVIDIA, a project which has had years of development and significant input from past QUT design students who have completed internships at BMW Group.

The robot uses Artificial Intelligence (AI), combined with various sensors and a NVIDIA AGX GPU to safely navigate BMW factories and transport parts to and from various assembly lines. The iw.hub, which is all-electric and powered by recycled BMW i-Series batteries, is now a product of idealworks - the newest BMW Group subidiary which was officially launched in late 2020.

The following pages show various marketing renders of the iw.hub smart transport robot. It was modelled, textured and rendered in just a few months by Michael Williams and Jordan Domjahn (former BMW Group interns and Design Associates at the Academy), Epifanio Pereira, Rebecca Wickham, Tim Lim and Jacob Rankin (2020 BMW Group interns). These interns and Academy staff worked under Design Lead, Dylan Sheppard, who is a QUT Industrial Design graduate and former BMW Group Intern.

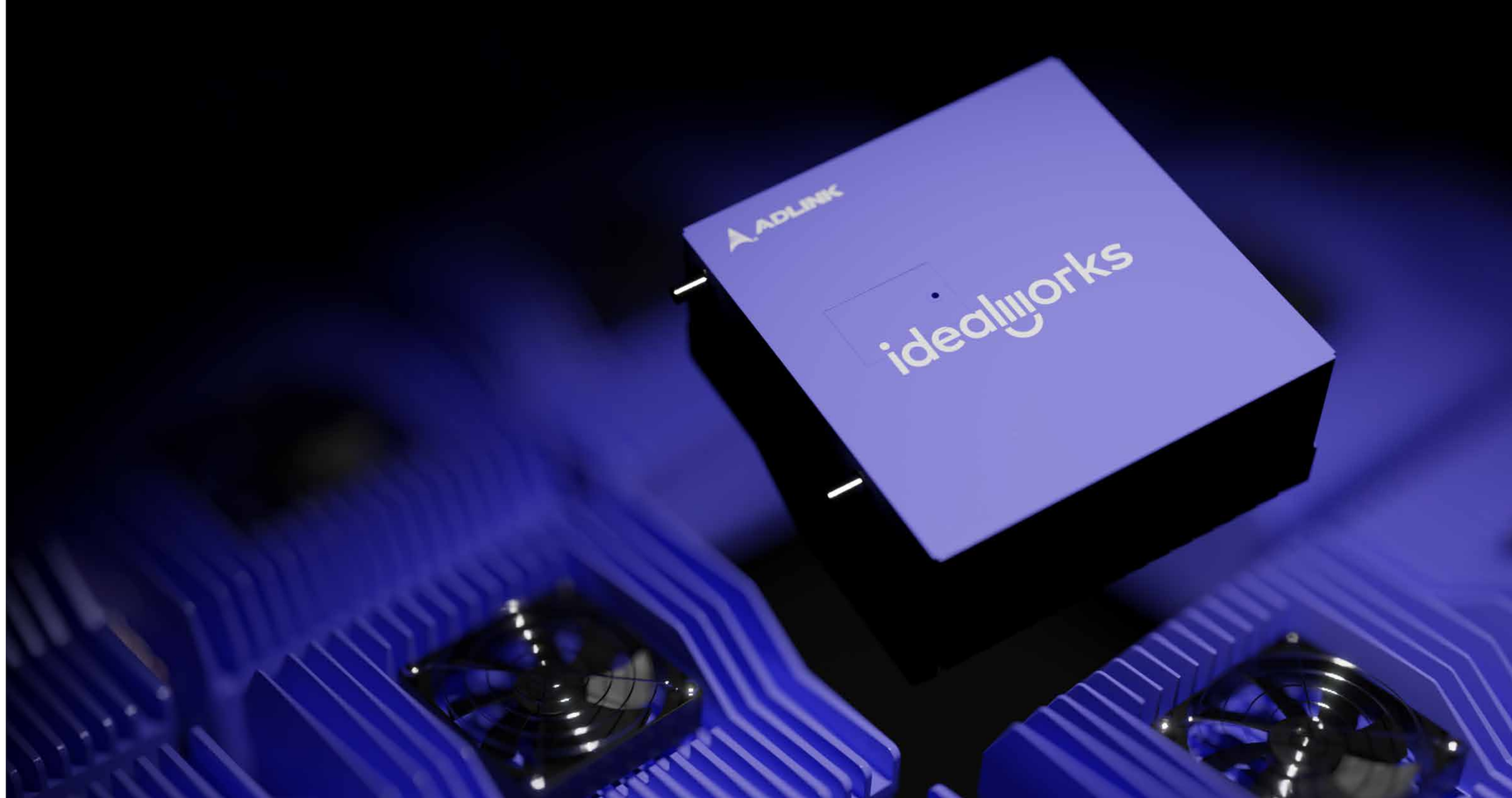
For more information about idealworks and the iw.hub, head to idealworks.com.

iw.hub
Munich, 2020

Image by © Idealworks GmbH

iw.hub ADLink
Munich, 2020

Image by © Idealworks GMbH

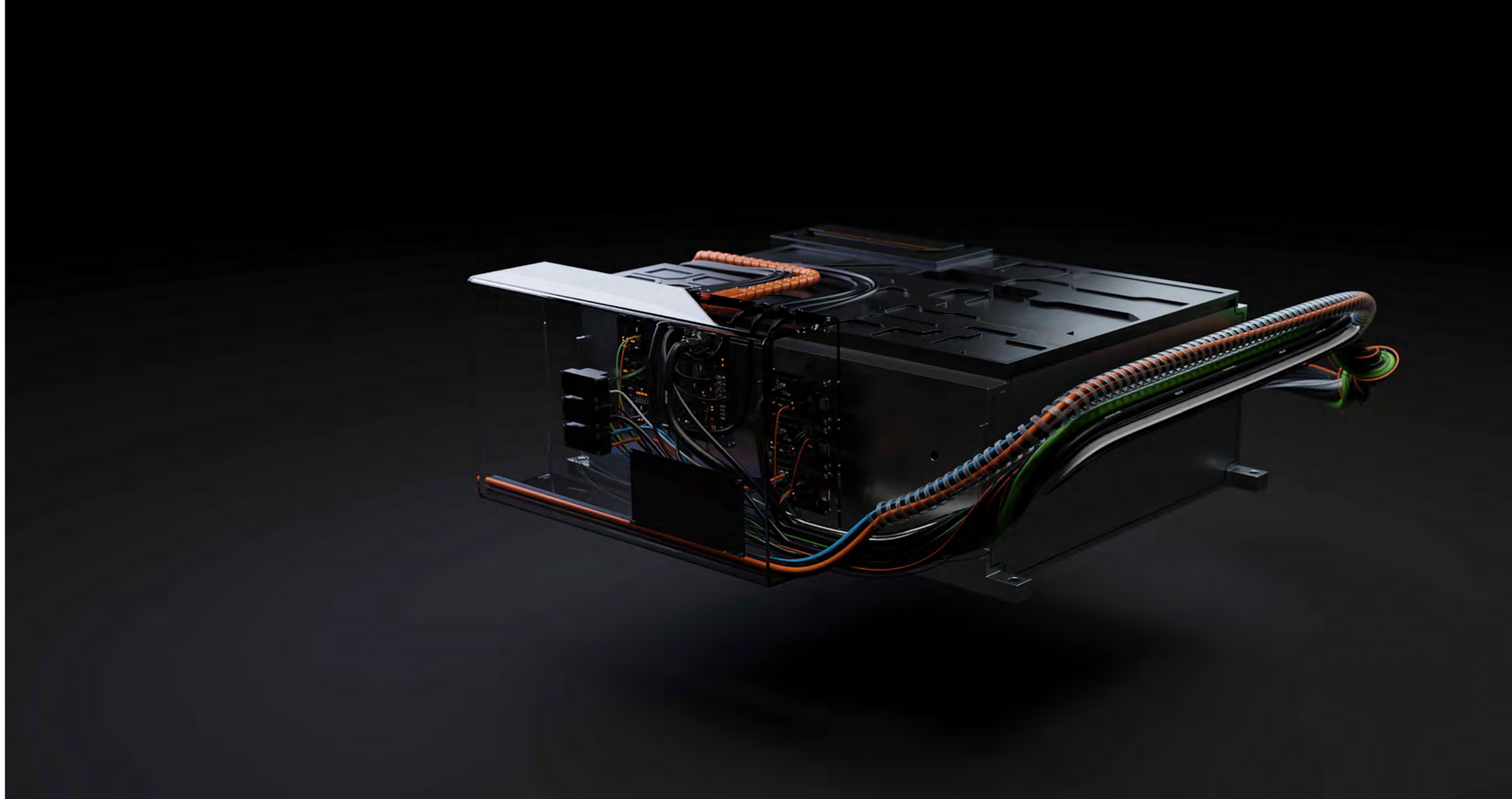


iw.hub SICK Sensors & LIPS Camera Box
Munich, 2020

Image by © Idealworks GMbH

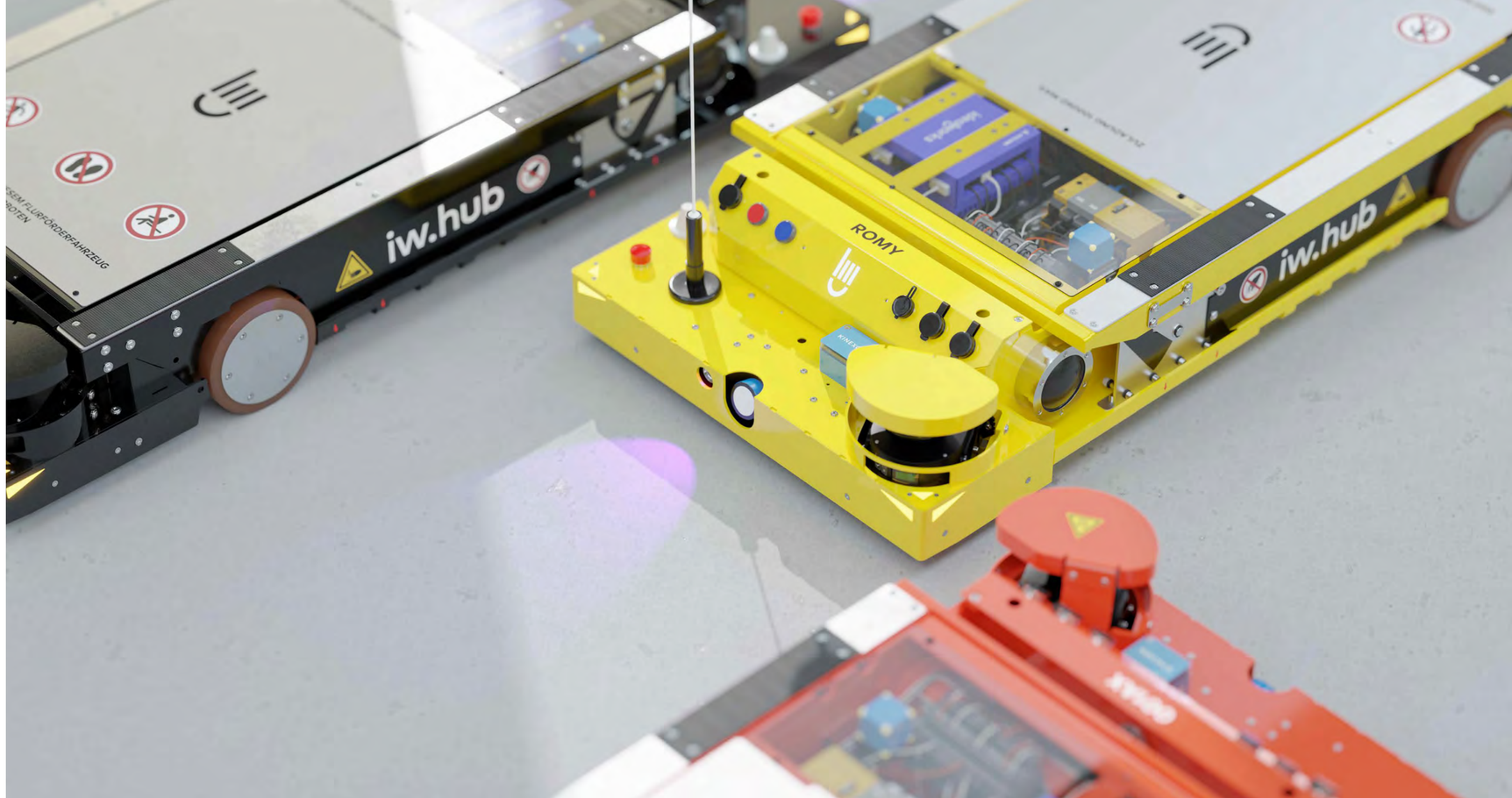
iw.hub Battery
Munich, 2020

Image by © Idealworks GMbH



iw.hub Trinity
Munich, 2020

Image by © Idealworks GMbH

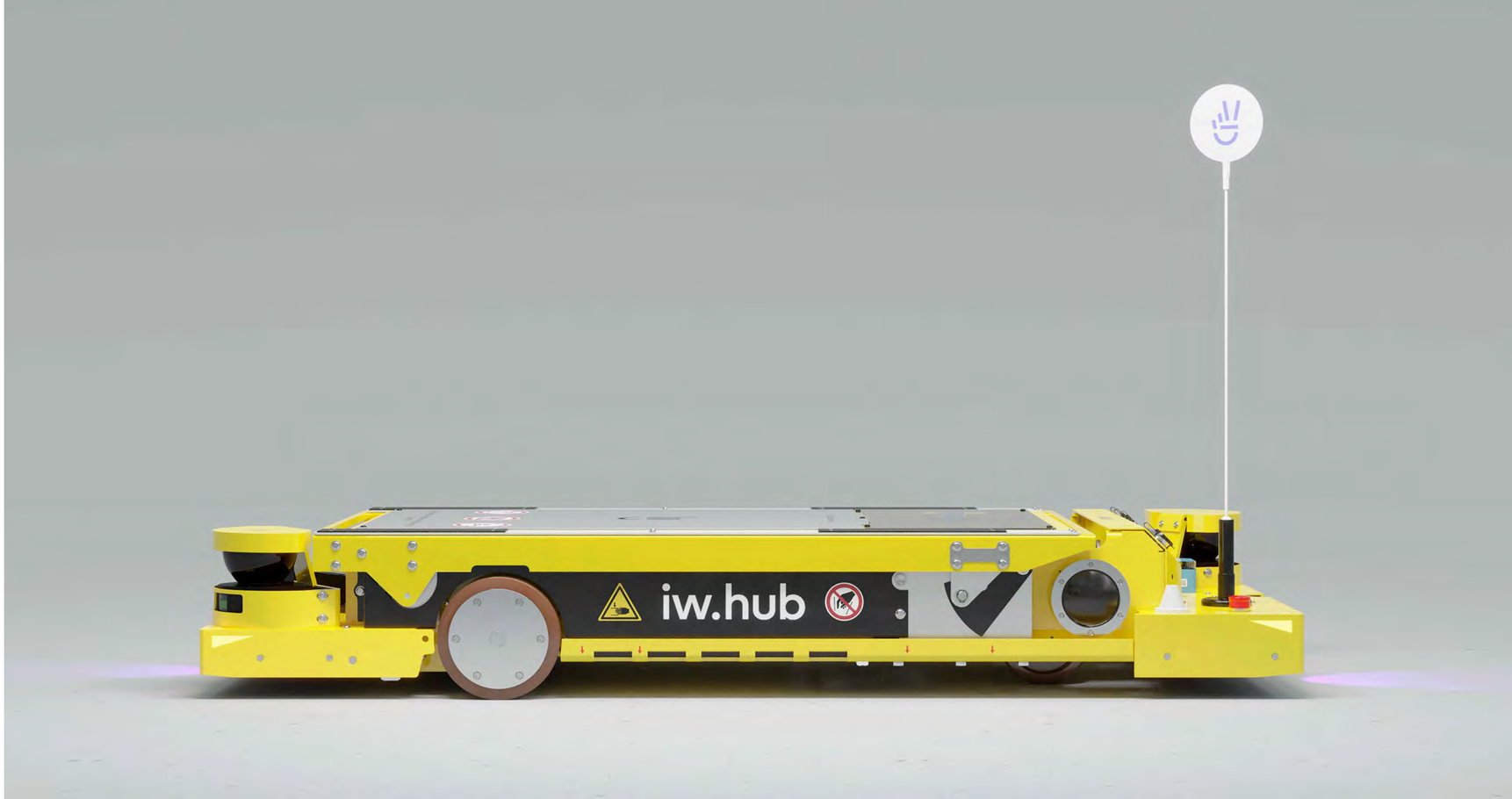


iw.hub Wiring
Munich, 2020

Image by © Idealworks GMbH

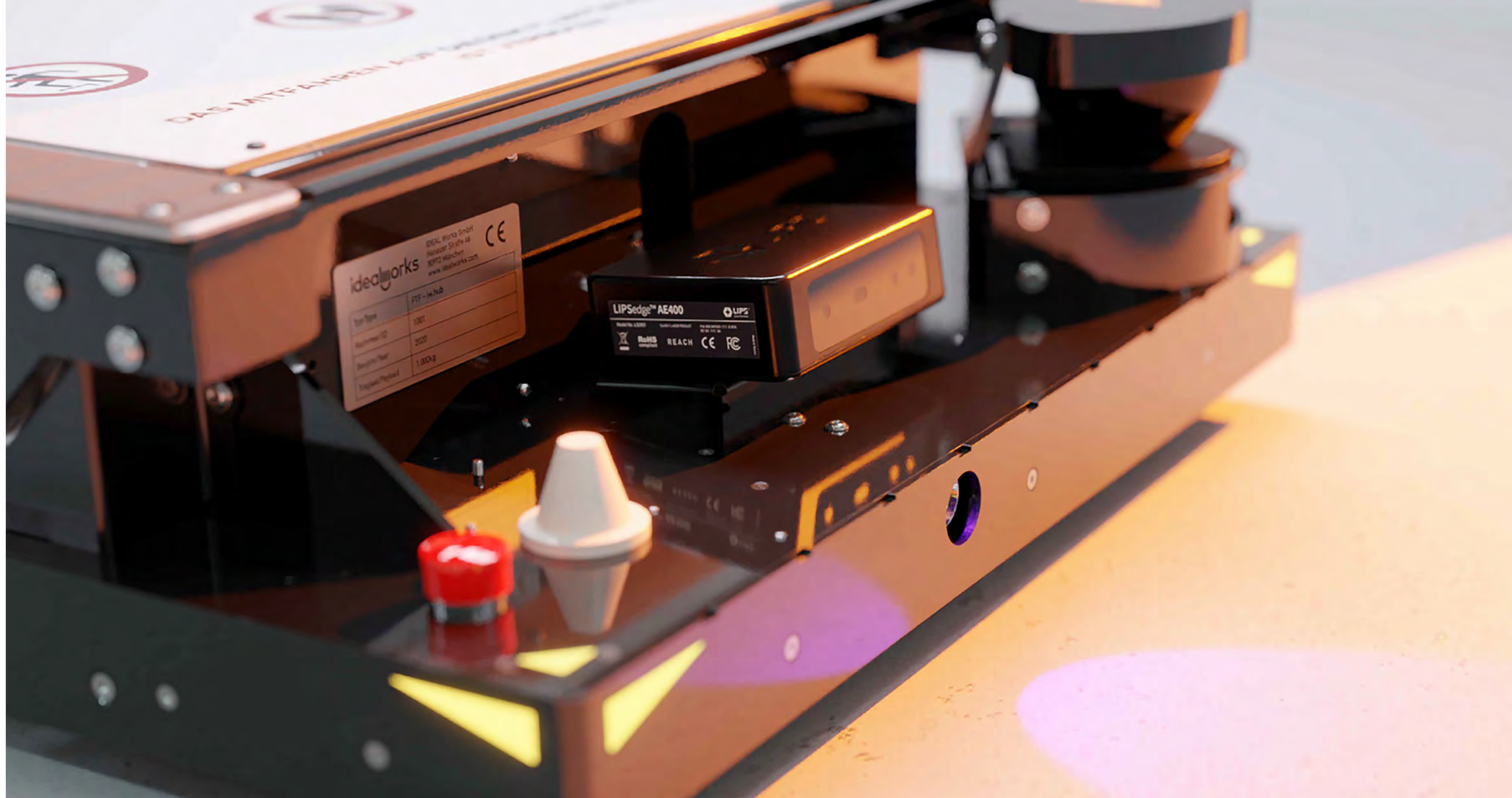
iw.hub with Flag
Munich, 2020

Image by © Idealworks GMbH



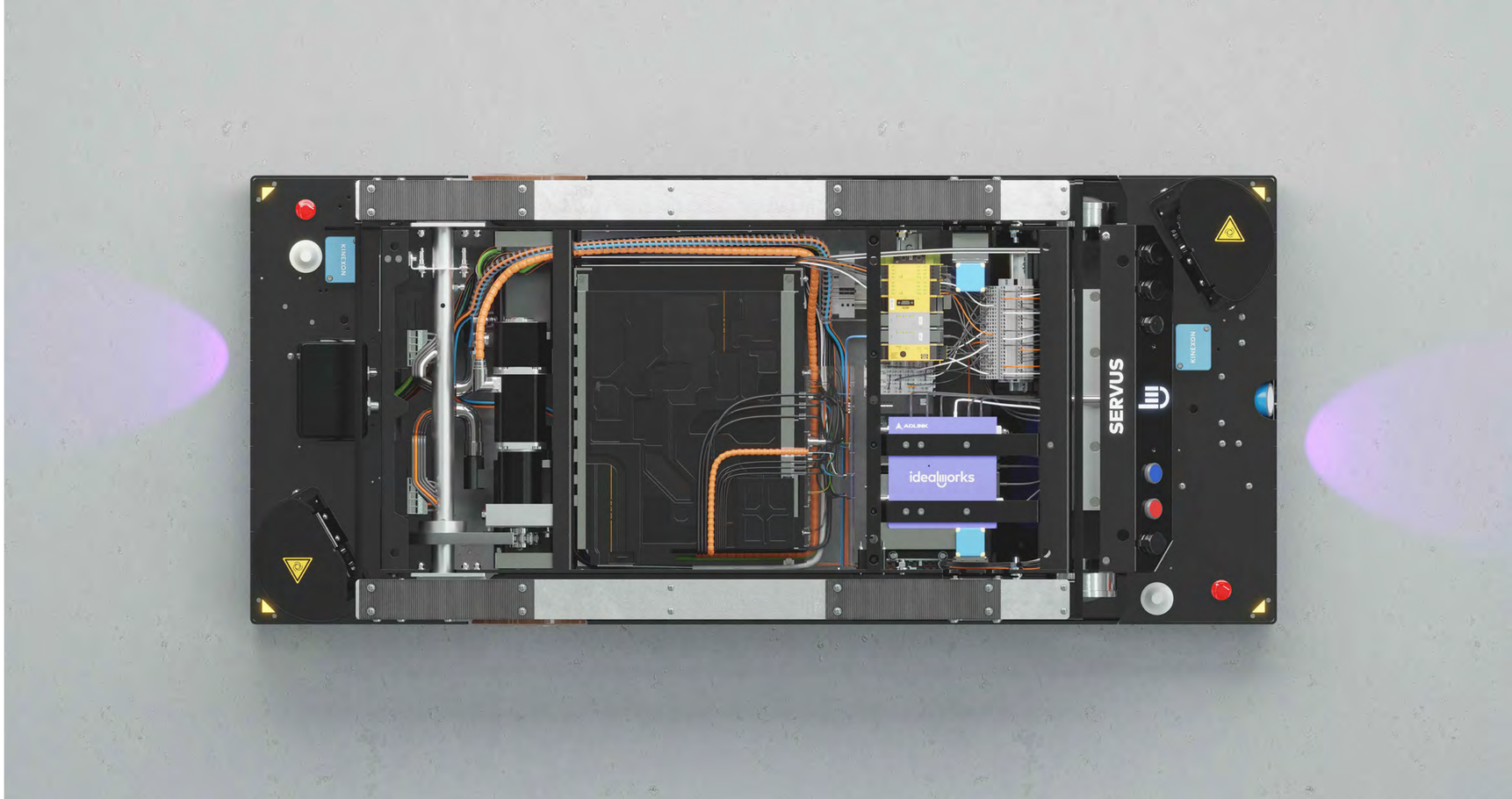
iw.hub
Munich, 2020

Image by © Idealworks GMbH



iw.hub Internals
Munich, 2020

Image by © Idealworks GMbH



TECHNOLOGY + FACILITIES

Academy Office Door Graphics
BMW Group + QUT Design Academy Office, 2020

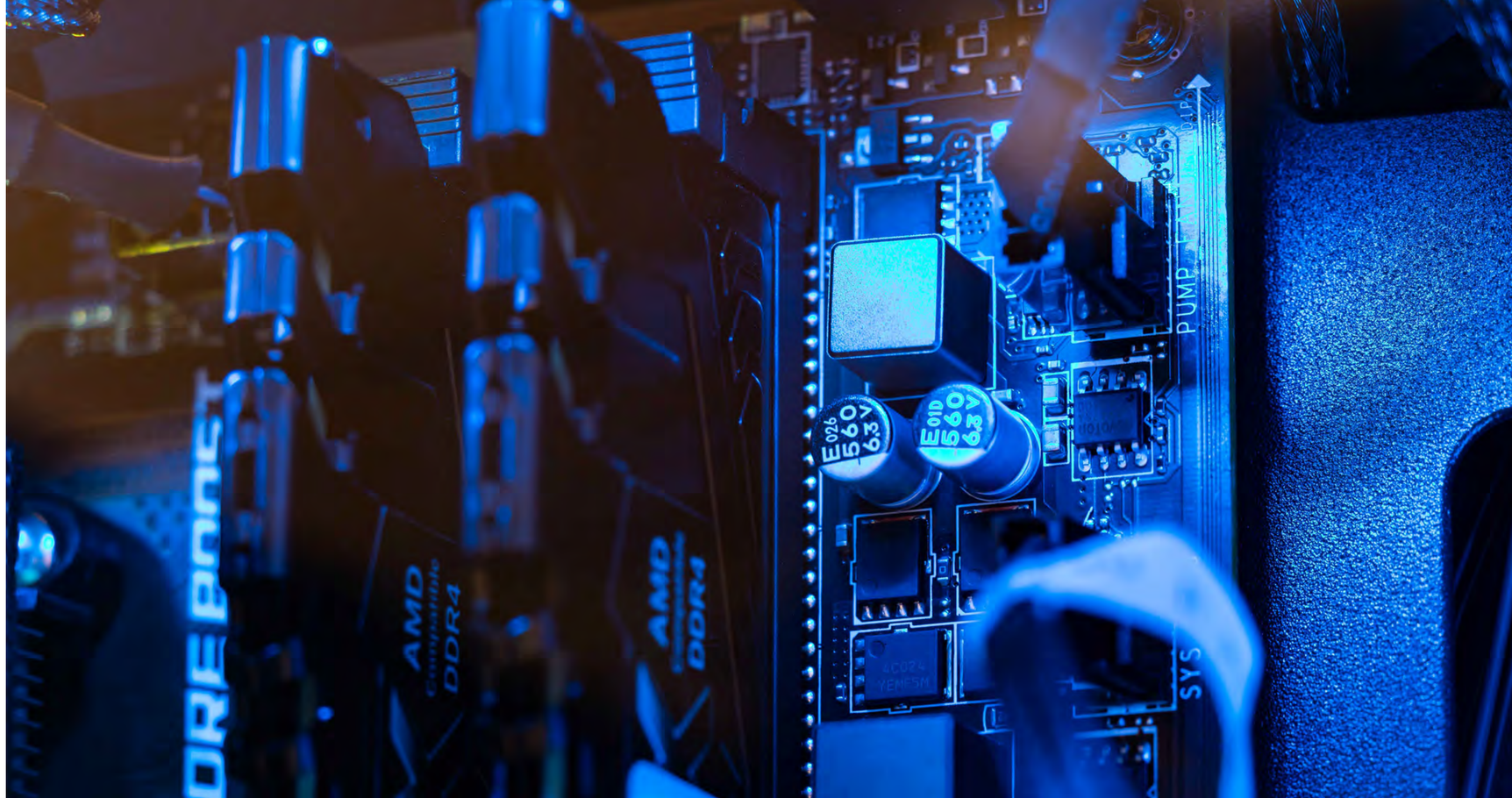
Photo by © Jordan Domjahn

Academy Business Cards
BMW Group + QUT Design Academy Office, 2020

Photo by © Jordan Domjahn

Design Associate PC Components
BMW Group + QUT Design Academy Office, 2020

Photo by © Jordan Domjahn



Corsair Mechanical Gaming Keyboard
BMW Group + QUT Design Academy Office, 2020

Photo by © Jordan Domjahn

Design Associate PC Components
BMW Group + QUT Design Academy Office, 2020

Photo by © Jordan Domjahn

Alienware Curved Gaming Monitor
BMW Group + QUT Design Academy Office, 2020

Photo by © Jordan Domjahn

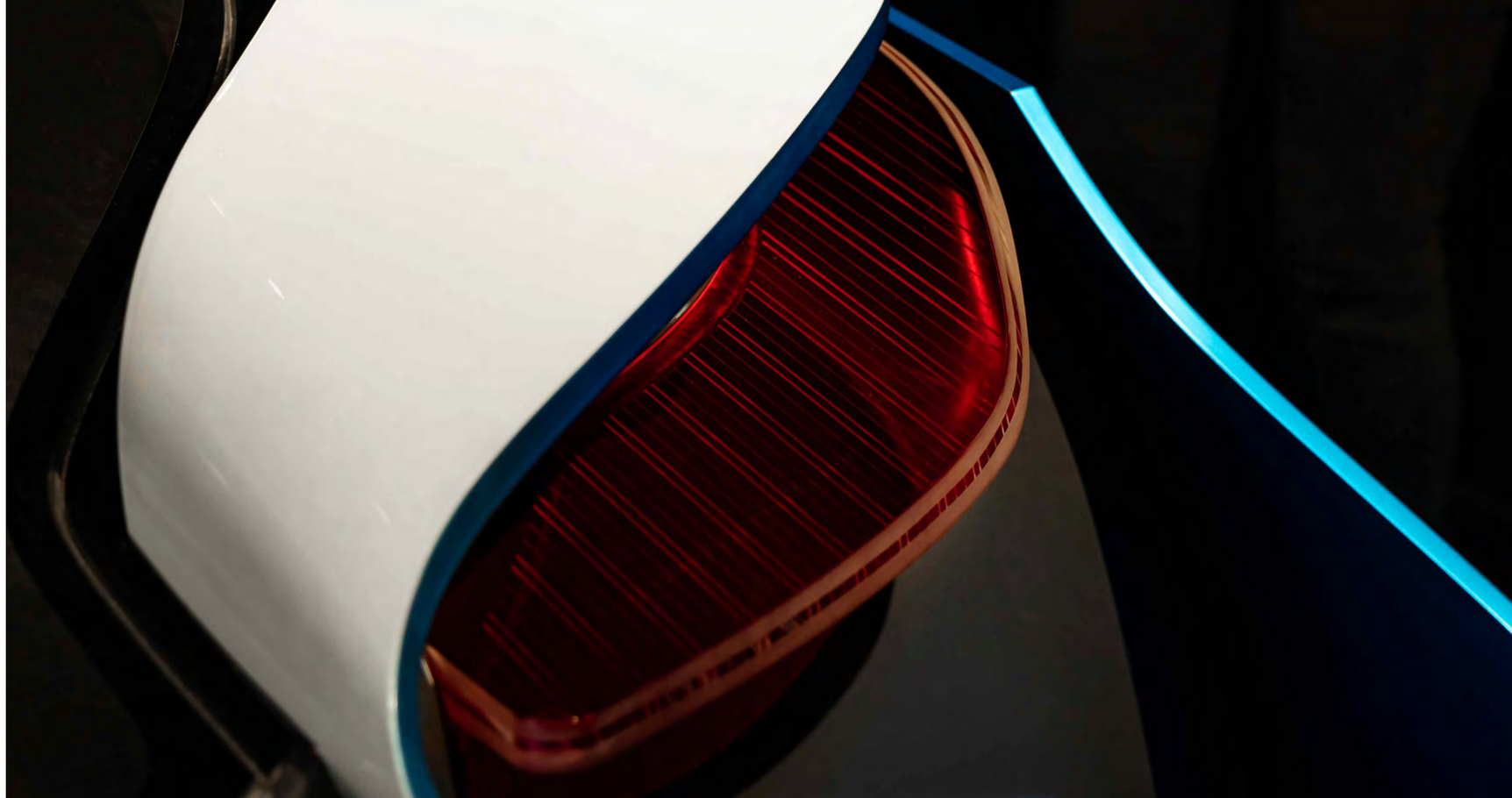
Design Associate PC Component Details
BMW Group + QUT Design Academy Office, 2020

Photo by © Jordan Domjahn

Oculus Rift S Virtual Reality Headset
BMW Group + QUT Design Academy Office, 2020

Photo by © Jordan Domjahn

AUTOMOTIVE



BMW 2009 Vision EfficentDynamics Concept Car
BMW Museum, 2020

Photo by © Jordan Domjahn

BMW Concept 4
BMW Welt, 2020

Photo by © Jordan Domjahn

Rolls Royce Spirit of Ecstacy
BMW Welt, 2020

Photo by © Jordan Domjahn

BMW i8 Headlamp
BMW Welt, 2020

Photo by © Jordan Domjahn

BMW M2
Brisbane, 2020

Photo by © Jordan Domjahn

BMW M2 Competition Headlamp
Brisbane, 2020

Photo by © Jordan Domjahn

GERMANY + ABROAD

Neuschwanstein Castle
Bavaria, 2020

Photo by © Jordan Domjahn

Neuschwanstein Castle surrounds
Bavaria, 2020

Photo by © Jordan Domjahn

Asamkirche
Munich, 2020

Photo by © Jordan Domjahn

Englischer Garten
Munich, 2020

Photo by © Jordan Domjahn

Venice Canals
Venice, 2020

Photo by © Jordan Domjahn

Hallstatt and Hallstätter See
Austria, 2020

Photo by © Jordan Domjahn

Brandenburg Gate view from Reichstag Building
Berlin, 2020

Photo by © Jordan Domjahn

Lisbon
Portugal, 2020

Photo by © Epifanio Pereira

St Vitus Cathedral in Prague Castle
Prague, 2020

Photo by © Jordan Domjahn

Love Lock Bridge at Sunset
Salzburg, 2020

Photo by © Jordan Domjahn

View from Fortress Hohensalzburg
Salzburg, 2020

Photo by © Jordan Domjahn

PEOPLE

BMW Group + QUT Design Academy
2020 Staff

Dr Rafael Gomez
Founder + Academy Lead

Jordan Domjahn
Design Associate

Michael Williams
Design Associate

Jimmy Nassif
Chief Technology Officer at Idealworks

Dylan Sheppard
Digital Design Lead at Idealworks

Unfortunately due to Covid-19 related travel restrictions, only four of the accepted eight interns were able to travel to Munich in 2020.

BMW Group 2020 Interns
QUT Design Students

Veronica Hunjas

Epifanio Pereira
(Travelled to Munich)

Sam Holz

Sebastian Tan Castillo

Rebecca Wickham
(Travelled to Munich)

Matthew Smith

Timothy Lim
(Travelled to Munich)

Jacob Rankin
(Travelled to Munich)

Academy 2020 Interns
QUT Design Students

Damian Noviello

Emily Boehmer

David Quick

Ellie McBain

EXTRA COLLECTION

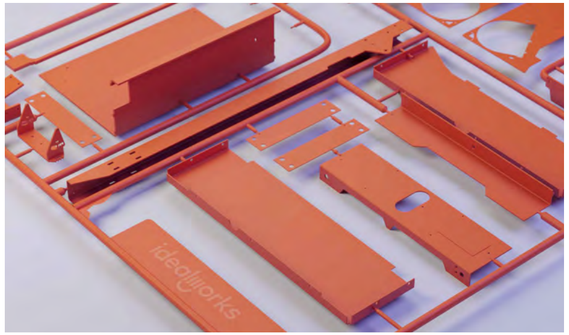
BMW Concept 4
Photo by © Jordan Domjahn, 2019

iw.hub
Image by © Idealworks GMbH, 2020

Neuschwanstein Castle
Photo by © Jordan Domjahn 2020

Design Associate PC
Photo by © Jordan Domjahn, 2020

Red Bull Hangar-7
Photo by © Jordan Domjahn, 2019



iw.hub Toy
Image by © Idealworks GMbH, 2020

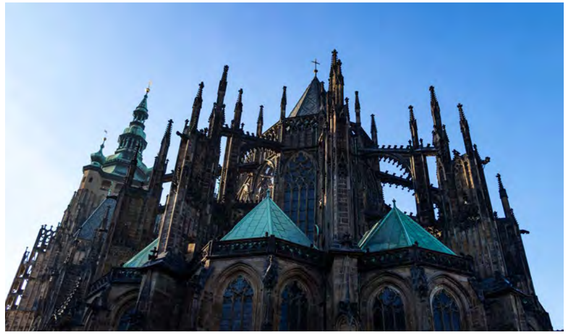
BMW M2
Photo by © Jordan Domjahn, 2019

BMW Headquaters
Photo by © Jordan Domjahn, 2019

Munich Sunset
Photo by © Dr Rafael Gomez, 2018

BMW 4 Series
Photo by © Jordan Domjahn, 2019

Design Associate PC
Photo by © Jordan Domjahn, 2020



St Vitus Cathedral in Prague Castle
Photo by © Jordan Domjahn, 2019

Design Associate PC
Photo by © Jordan Domjahn, 2020

Eibsee Lake
Photo by © Dr Rafael Gomez, 2018

iw.hub with Dolly
Image by © Idealworks GMbH, 2020

Munich From Above
Photo by © Dr Rafael Gomez, 2018

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