

**ottobock.**

**the human empowerment company**

# Improving User Experience through digitalization





**We empower  
people.**

**ottobock.**



**Helping them to  
maintain or regain  
their freedom of  
movement.**



**By creating latest  
innovations in  
orthotic and prosthetic  
solutions.**





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**By providing cutting  
edge health care  
services.**





**By seeing the  
world through the  
eyes of our users  
and customers.**





**Founded in  
Berlin 1919.**

**Today corporate  
headquarters resides  
in Duderstadt with  
locations across nearly  
60 countries.**



# Pioneering by tradition.

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## Success that spans across 4 generations.

# A global innovation powerhouse.

- More than 9,000 employees
- EUR 1.3 billion sales in 2022 (preliminary results)
- Approx. 400 patient care centers
- Active in 135 countries





# We support in every situation.

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**Prosthetics**



**Orthotics**



**Patient Care  
Services**



**Human Mobility**



**Bionic  
Exoskeletons**

**Digitally  
transforming  
our industry.**

**Products.  
Processes.  
Platforms.**



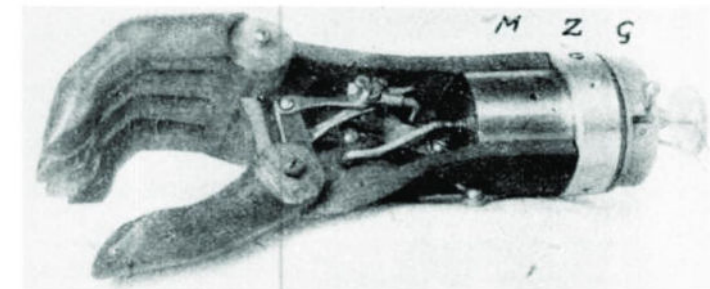
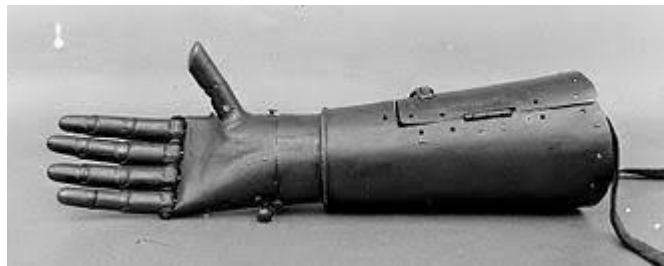
# What is a prosthesis?





# A look into the past – prosthetics as a handcraft.

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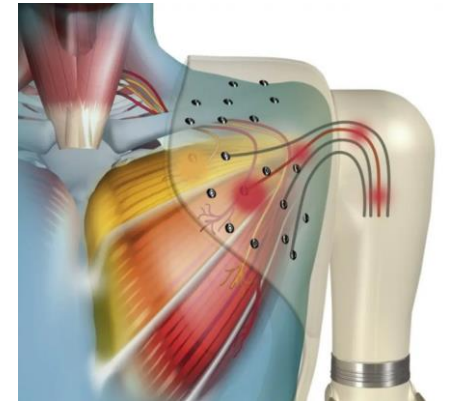




# Development towards intelligent systems.

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- **Sensors and microprocessors control function of the joints**
- **Apps for adjustment of settings**
- **Machine learning for pattern recognition**



# **iFab. Digital Manufacturing.**

- 1. Scanning of the relevant body part 360°.**
- 2. Modification of the medical aid based on the scan.**
- 3. 3D-printing layer by layer.**
- 4. Fitting and evaluation by the orthopaedic technicians.**





## Step 1: Getting the model and measurements

- Plaster cast to take model of the patient
- 360° scan of the relevant body part



# Optimizing processes with digital technologies.

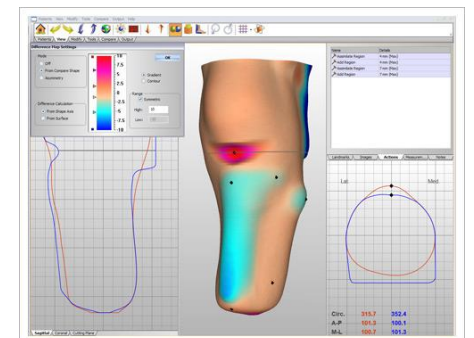
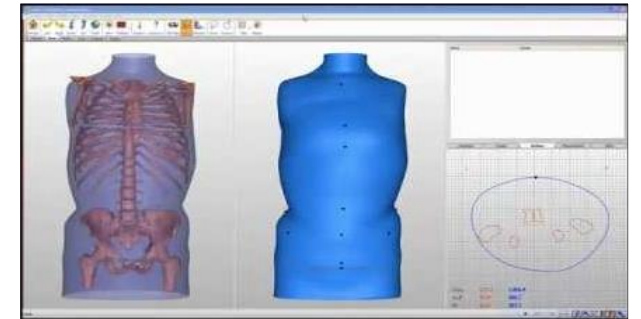
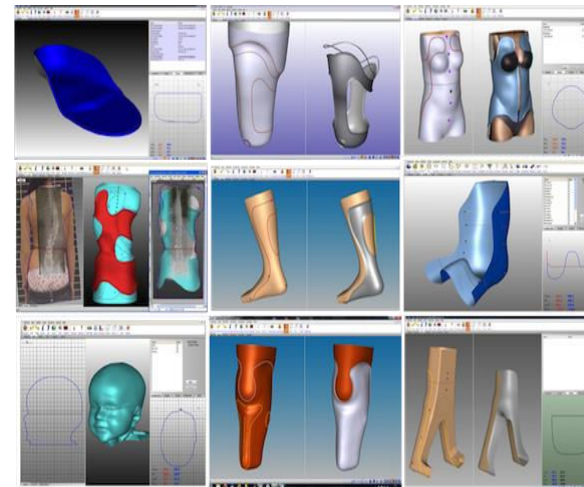
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## Step 2: Modification to ensure right fit

- Modification by hand



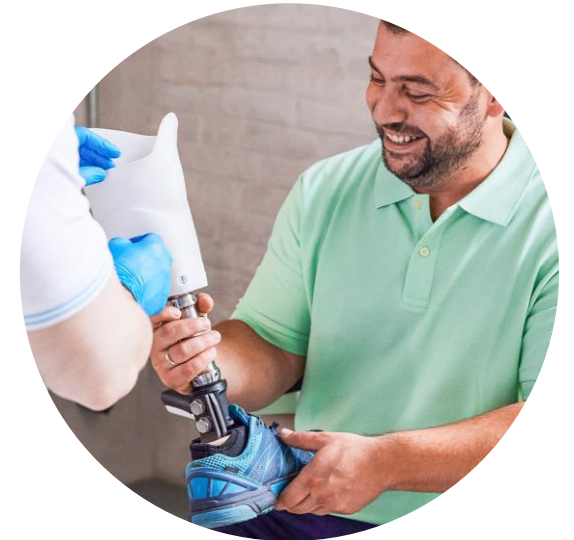
- CAD software for digital modification with aid of libraries





## Step 3: Fabrication of the final product

- Using the (milled) positive impression to finish
- 3D printed solutions



# Building a platform for exchange.



# Empowerment of users through establishment of different platforms.

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## Offline

- Local events for community engagement centered around specific themes such as cycling, archery, hiking, running
- Cooperation with local partners & stakeholders, foster exchange about living with a prosthesis

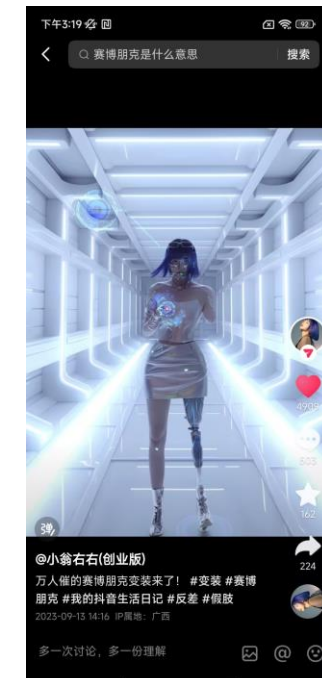
小奥赋能



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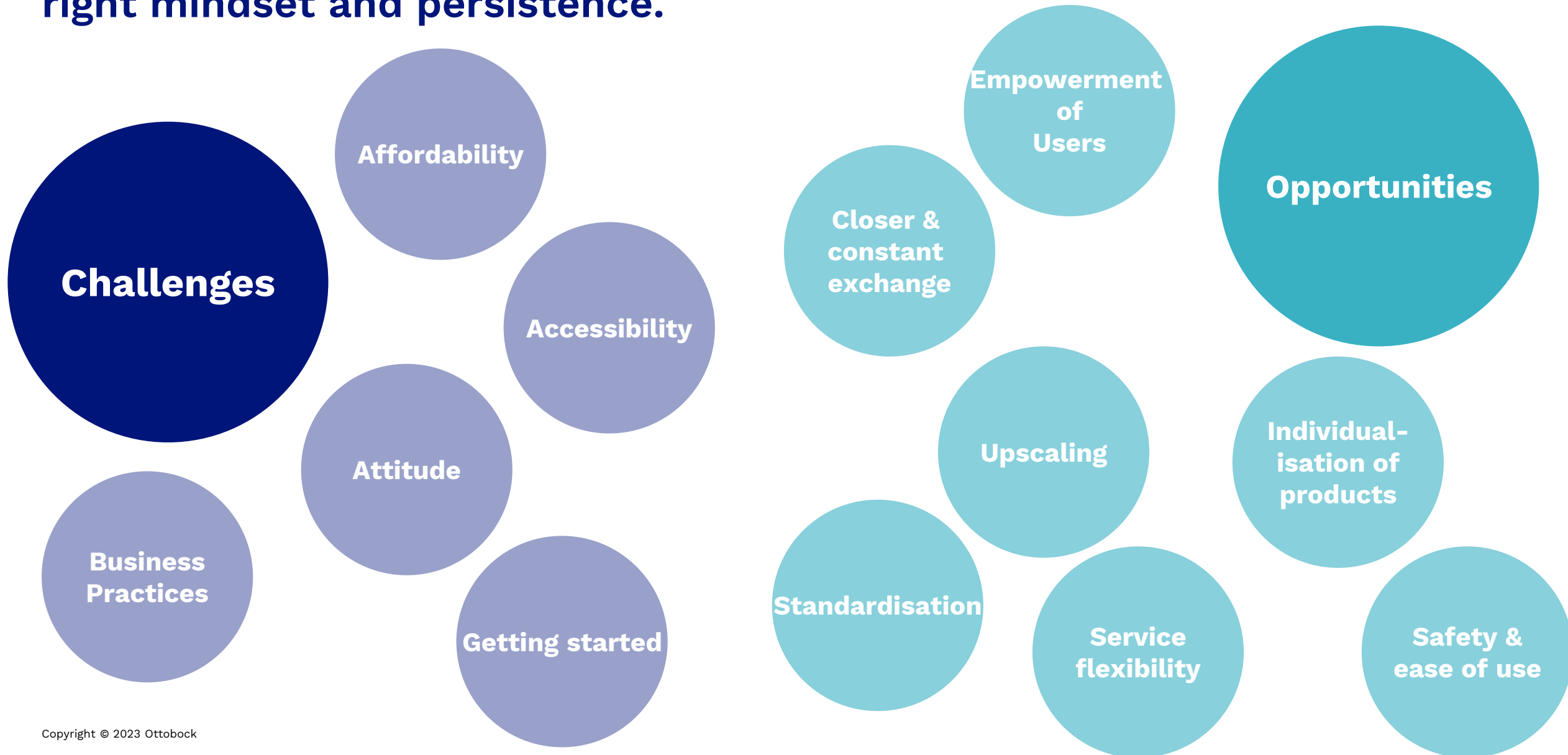
## Online

- Ottobock links with influencers on major platforms, providing a platform for users to communicate and exchange
- Establish a connection between user and brand, as well as among users themselves



**Digital technologies present vast potential – with the right mindset and persistence.**

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**Vielen Dank!**  
**Thank you!**  
**谢谢!**