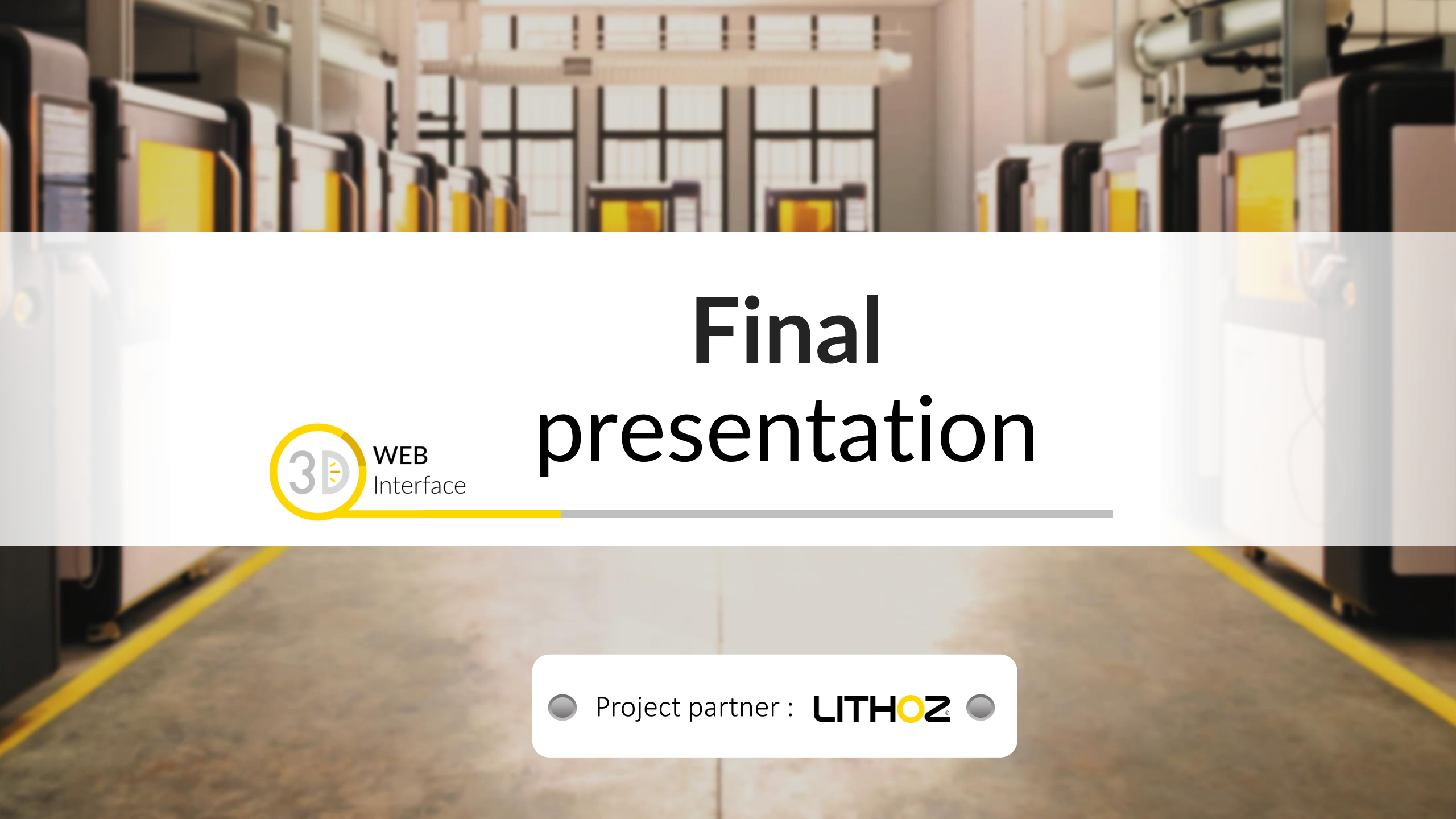
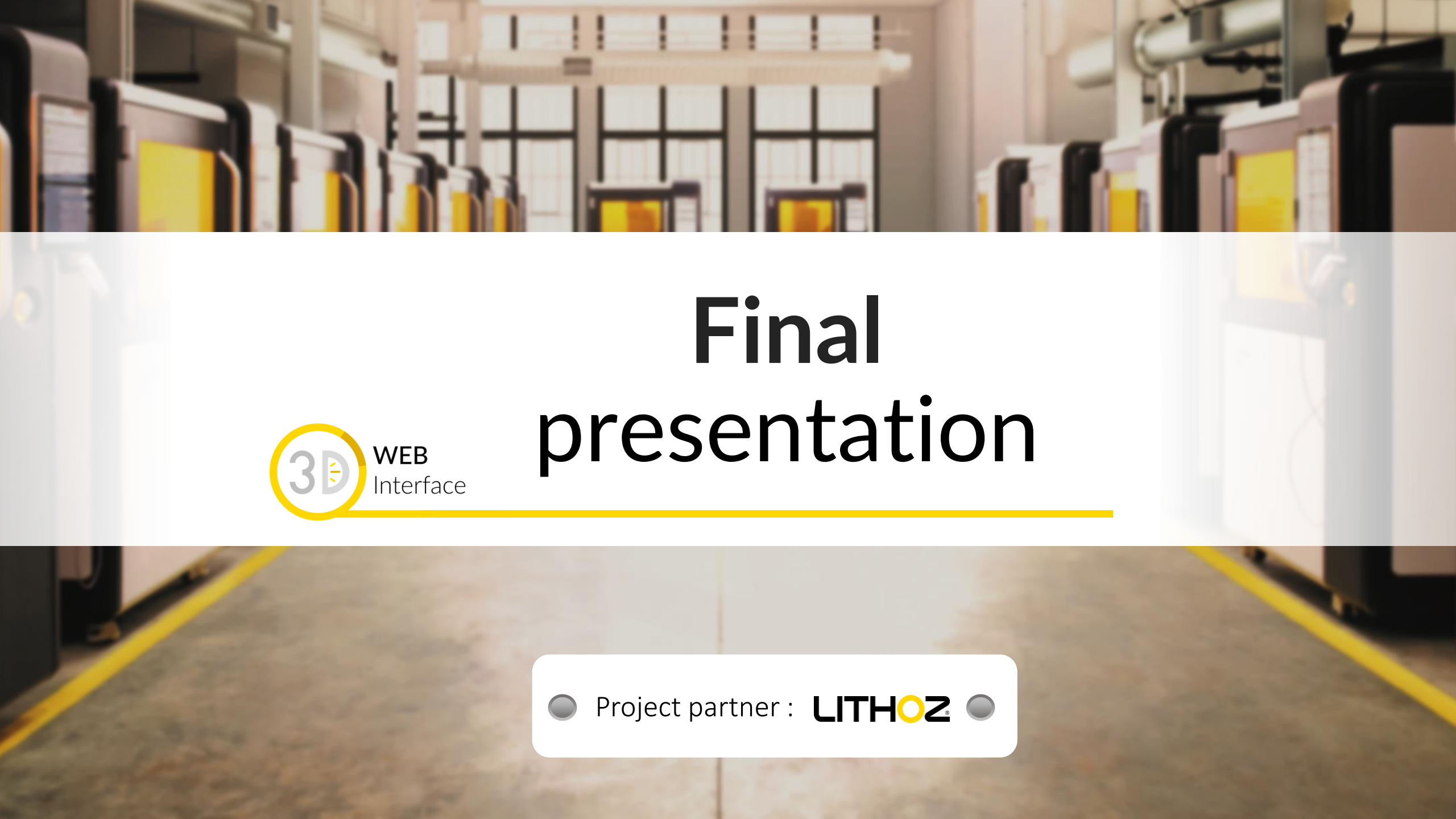


Final presentation

3D WEB Interface

Project partner : LITHOZ



Final presentation

3D WEB Interface

Project partner : LITHOZ

Tech Stack

3D Graphics
Three.js

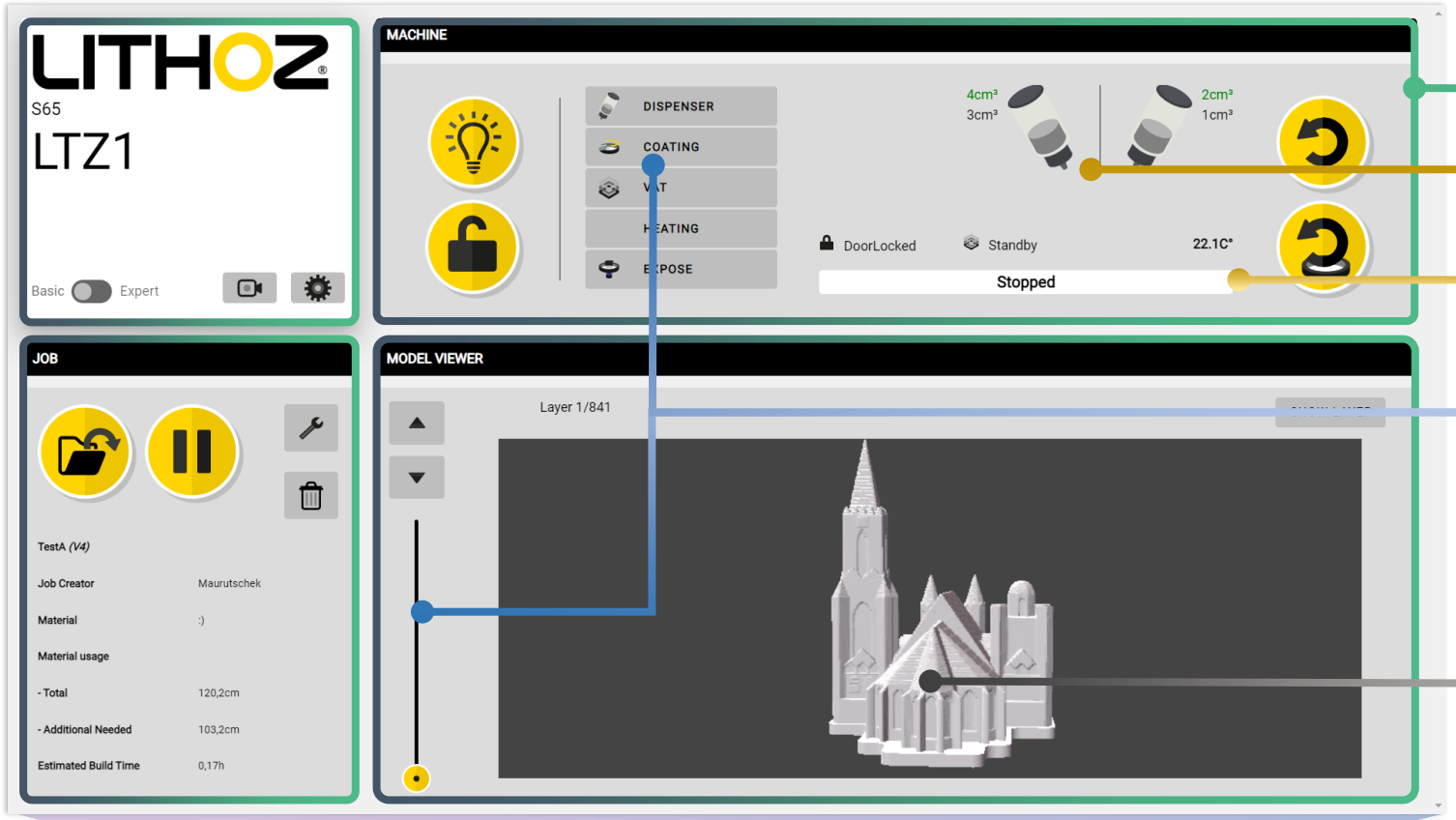
Design Library
Vuetify

Environment
Vite

JS Framework
Vue.js

Programming Language
TypeScript

M - M communication
MQTT.js



JS Framework

Vue.js

Design Library

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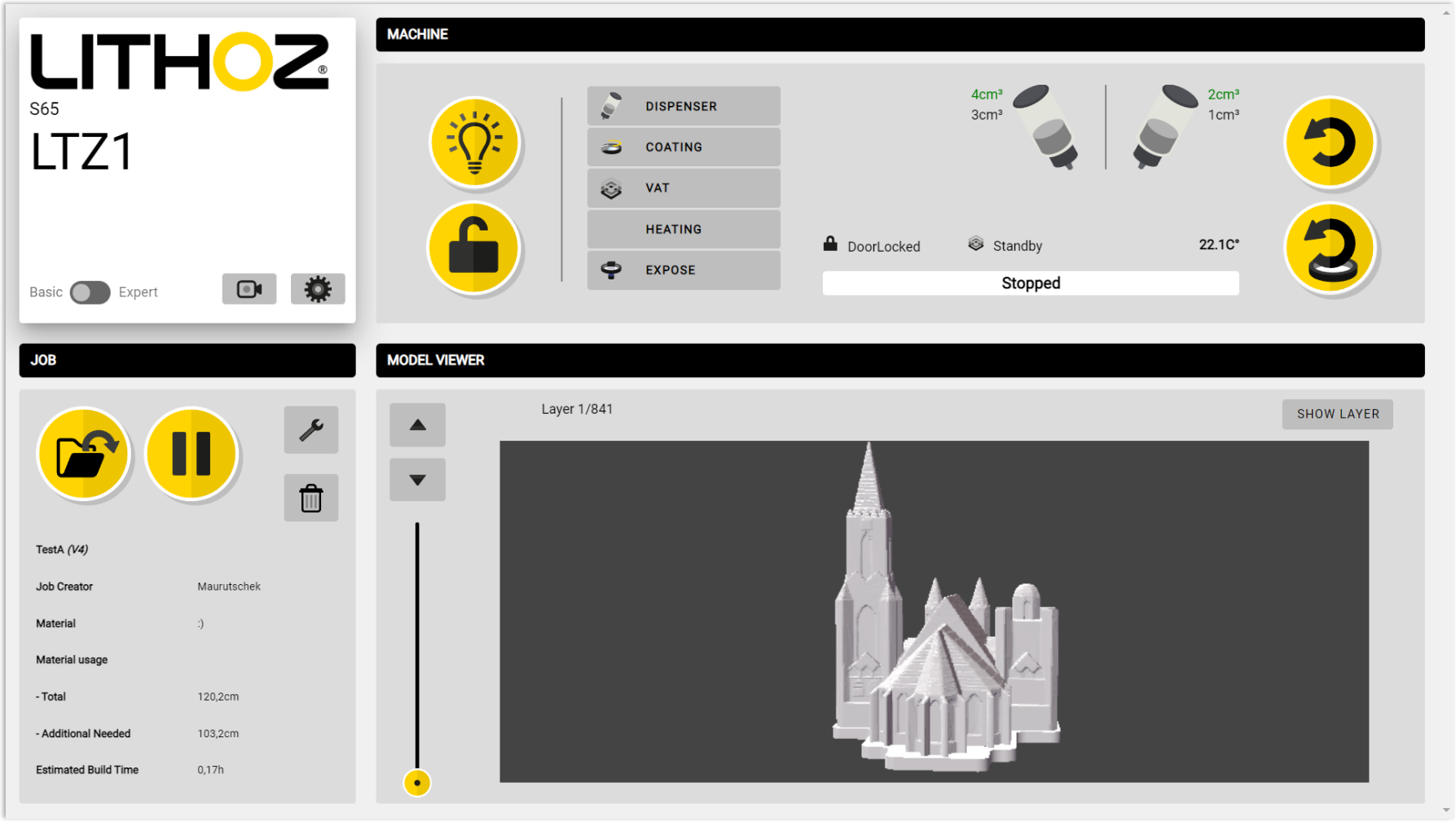
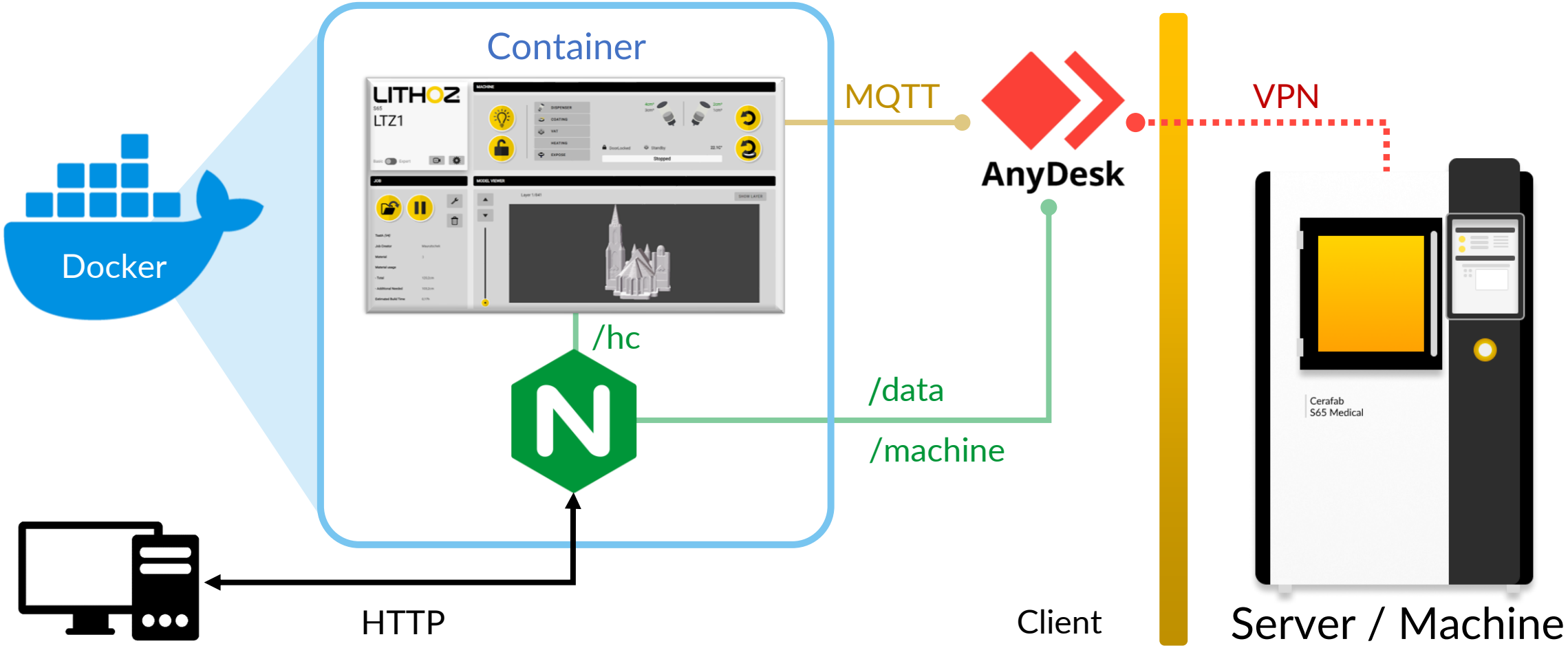
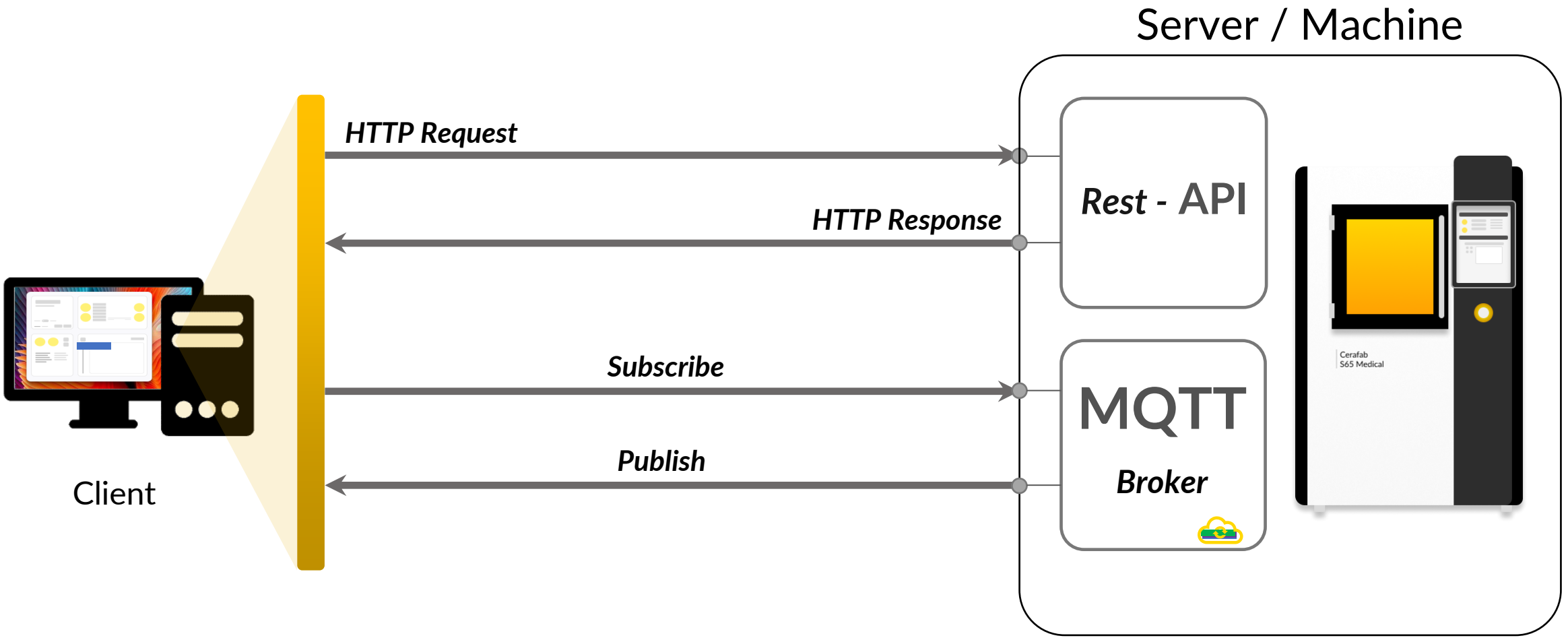
Setup


LITHOZ
S65
LTZ1
Basic
Expert
MACHINE
DISPENSER
COATING
VAT
HEATING
EXPOSE
4cm³
3cm³
2cm³
1cm³
DoorLocked
Standby
22.1C°
Stopped
JOB
TestA (V4)
Job Creator
Maurutschek
Material
:)
Material usage
- Total
120,2cm
- Additional Needed
103,2cm
Estimated Build Time
0,17h
MODEL VIEWER
Layer 1/841
SHOW LAYER

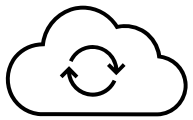
Setup

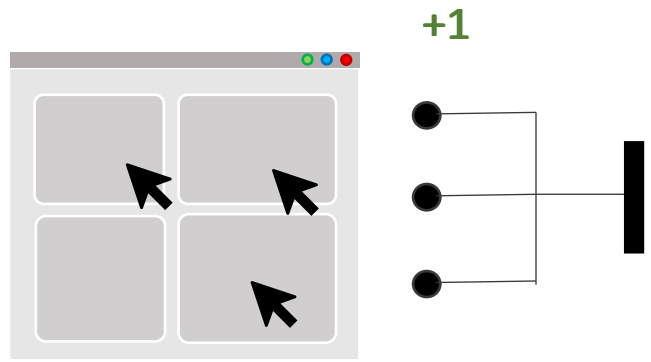

Container
Docker
LITHOZ
S65
LTZ1
MQTT
AnyDesk
VPN
/hc
/data
/machine
Cerafab
S65 Medical
HTTP
Client
Server / Machine

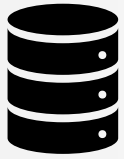
Architecture



KPIs







Memory usage

700 MB

Loading speed

7000 ms

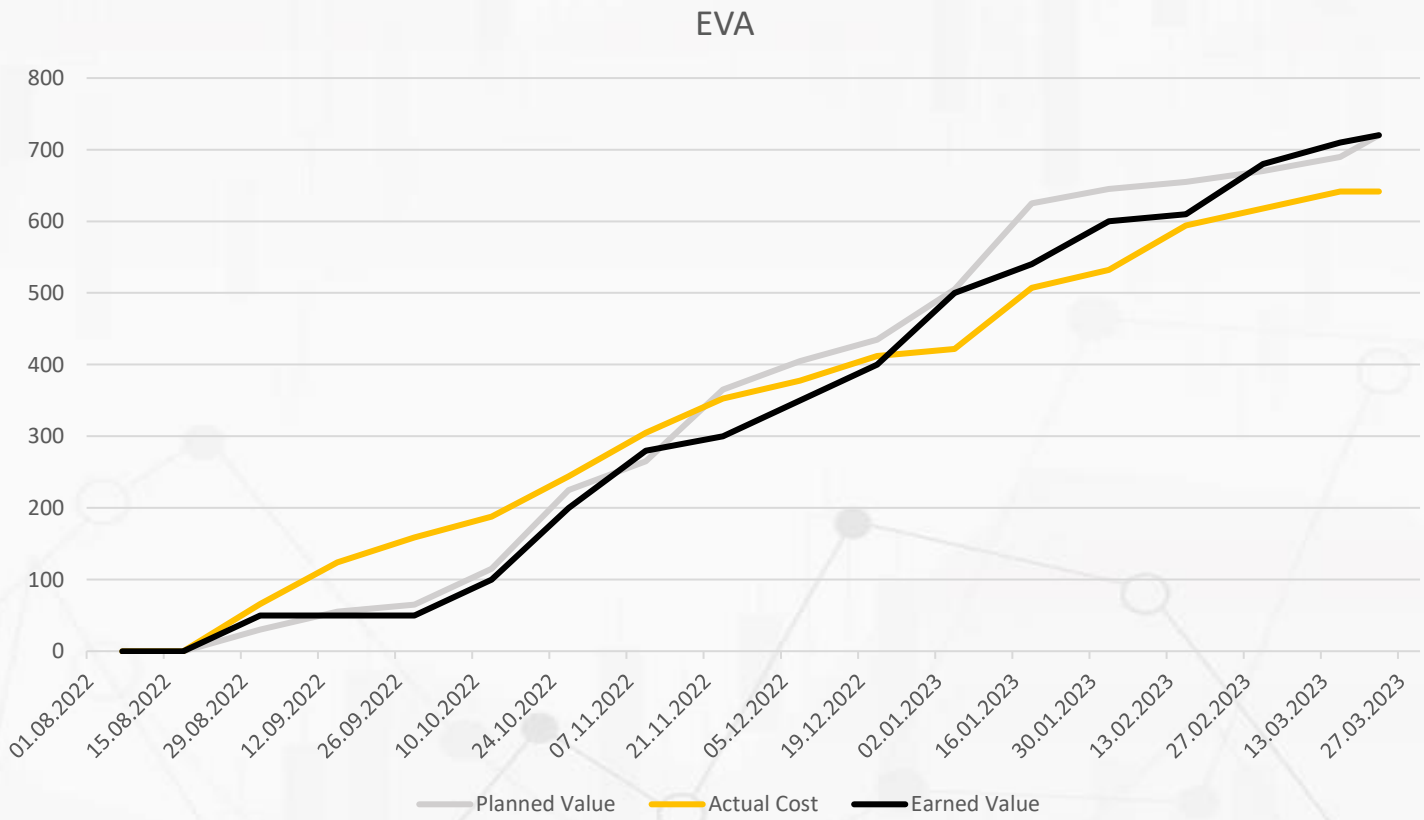
API calls

5 c/s

Features deployed

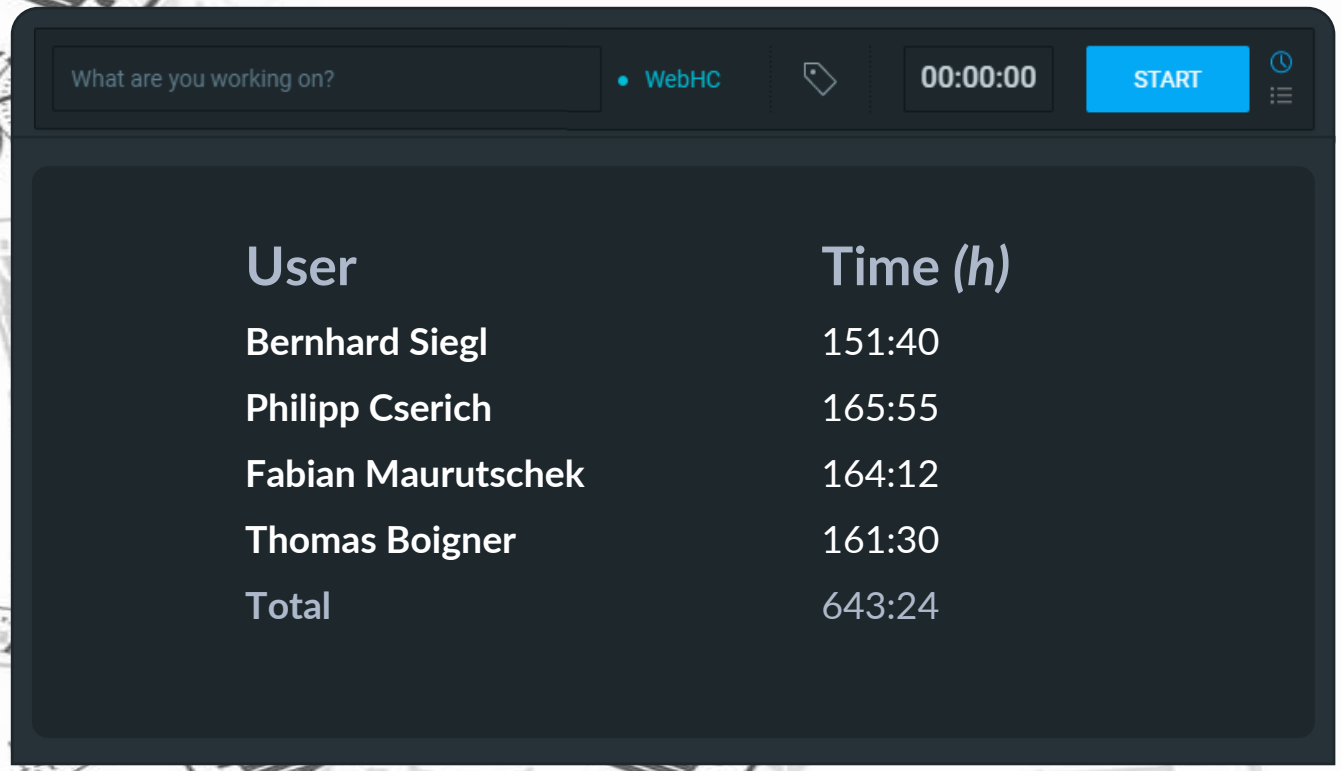
- ☑ 3D printer controls
- ☑ Project selection
- ☑ Language selection
- ☑ Layer view & 3D viewer

EVA

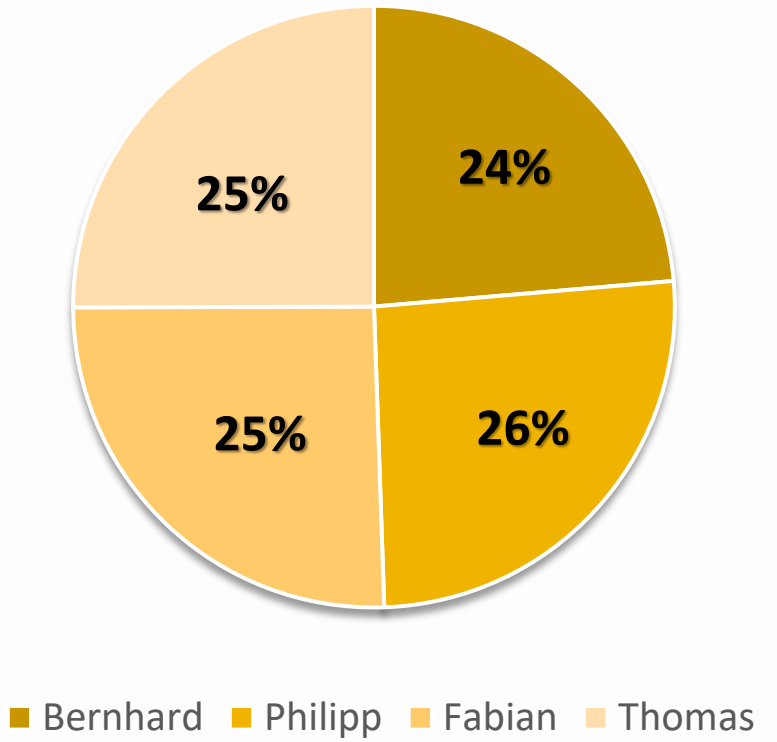


Total: 643 h

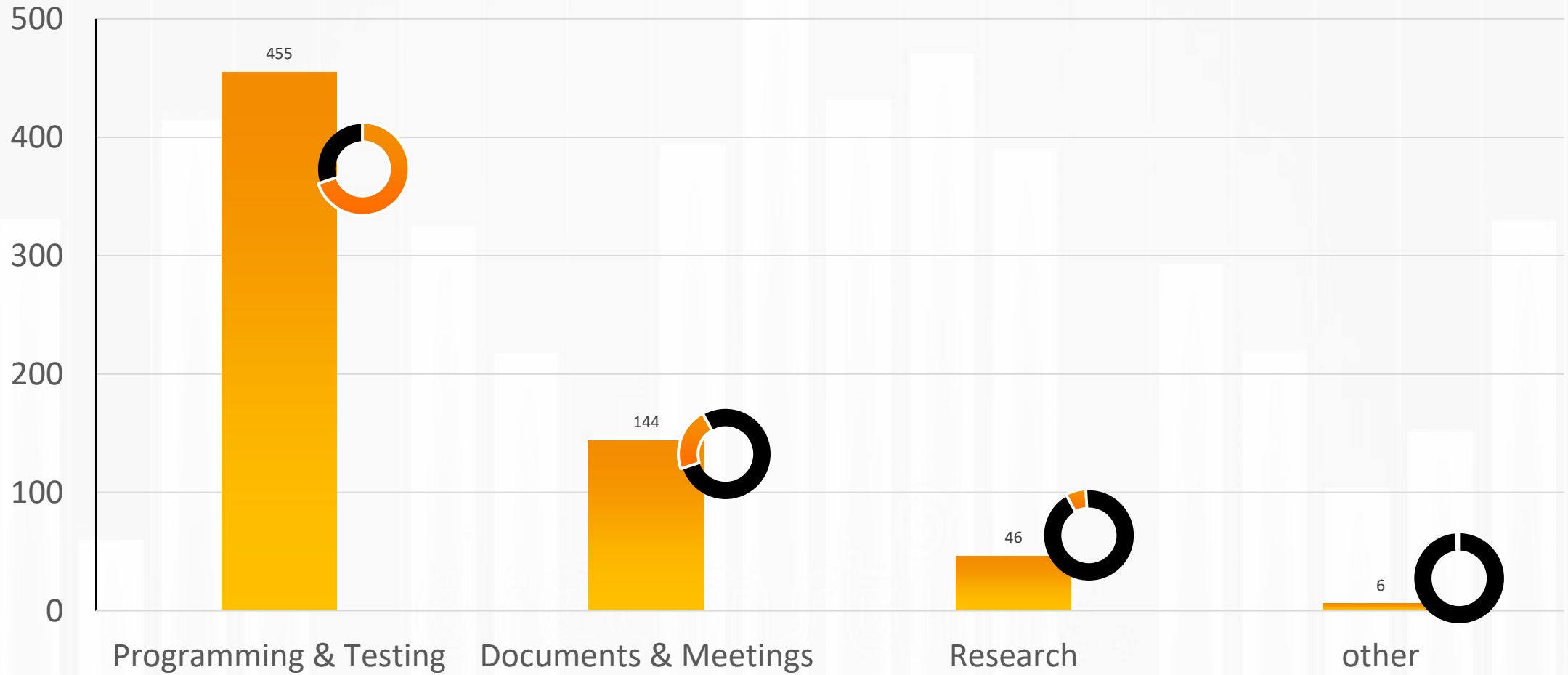
Time records



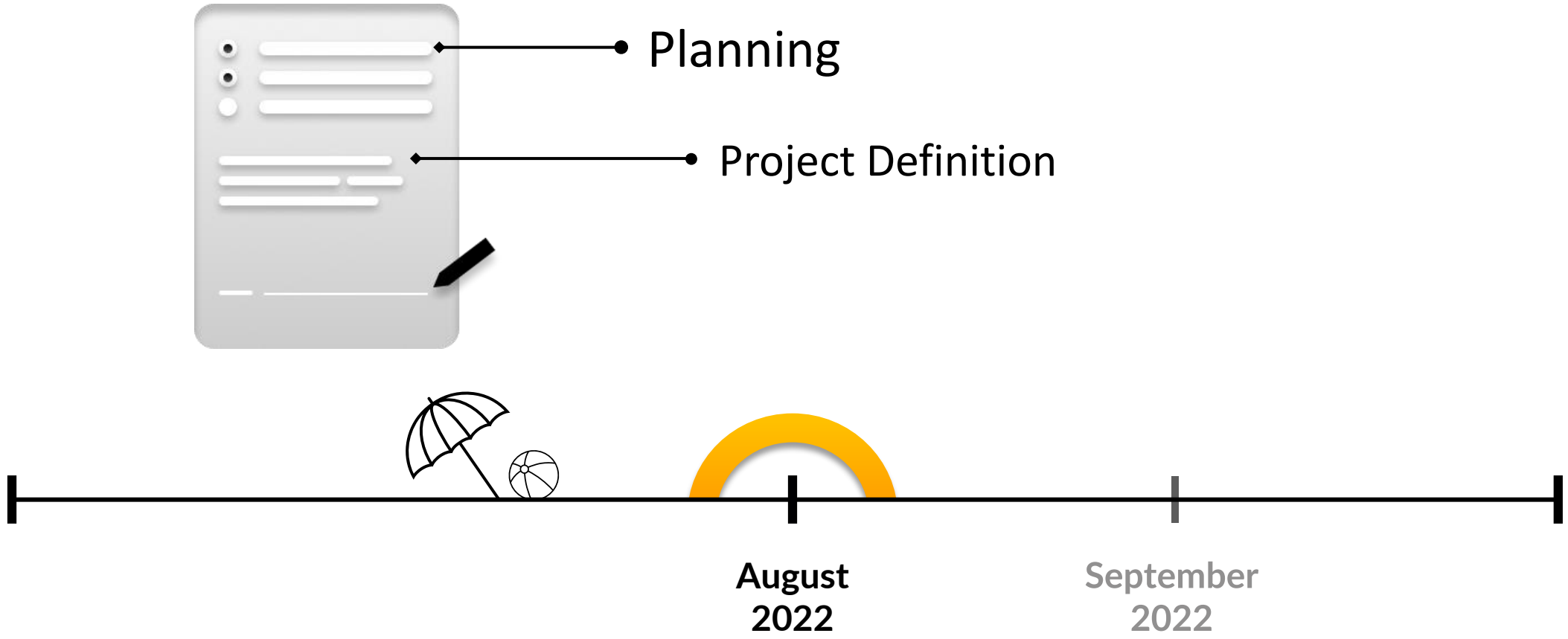
User	Time *(h)*
Bernhard Siegl	151:40
Philipp Cserich	165:55
Fabian Maurutschek	164:12
Thomas Boigner	161:30
Total	643:24



Time distribution in h



Final Retrospective



Final Retrospective

- Project – **Kickoff**
- Strong Project Start

- Backend non existent

Final Retrospective

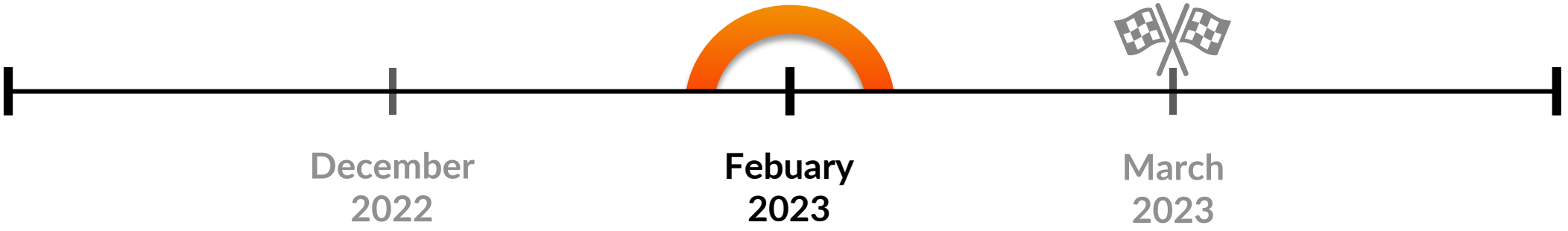
- Huge school **workload**

- „Stolen Holidays“
- almost no project-work done

Final Retrospective

- catching up

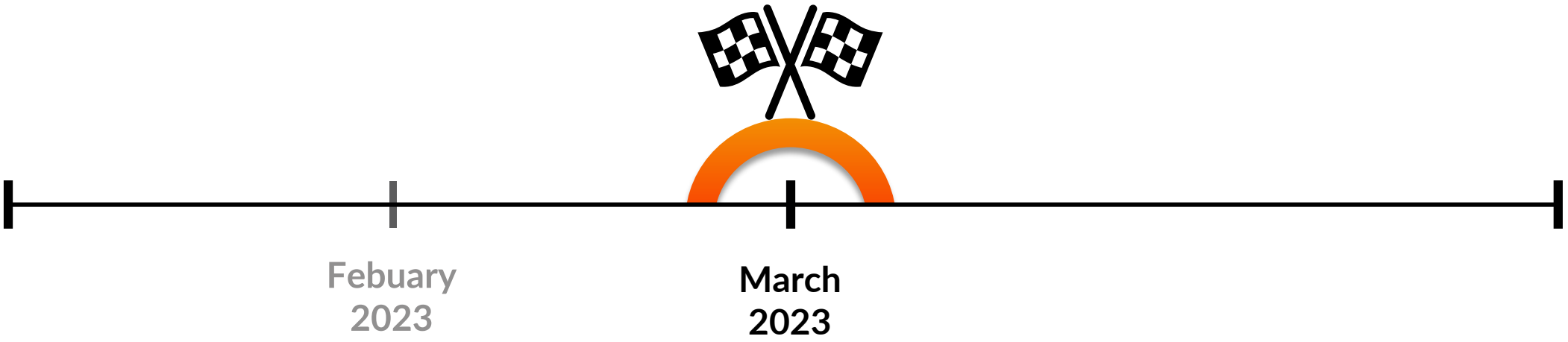
- Race against time
- Morality = low



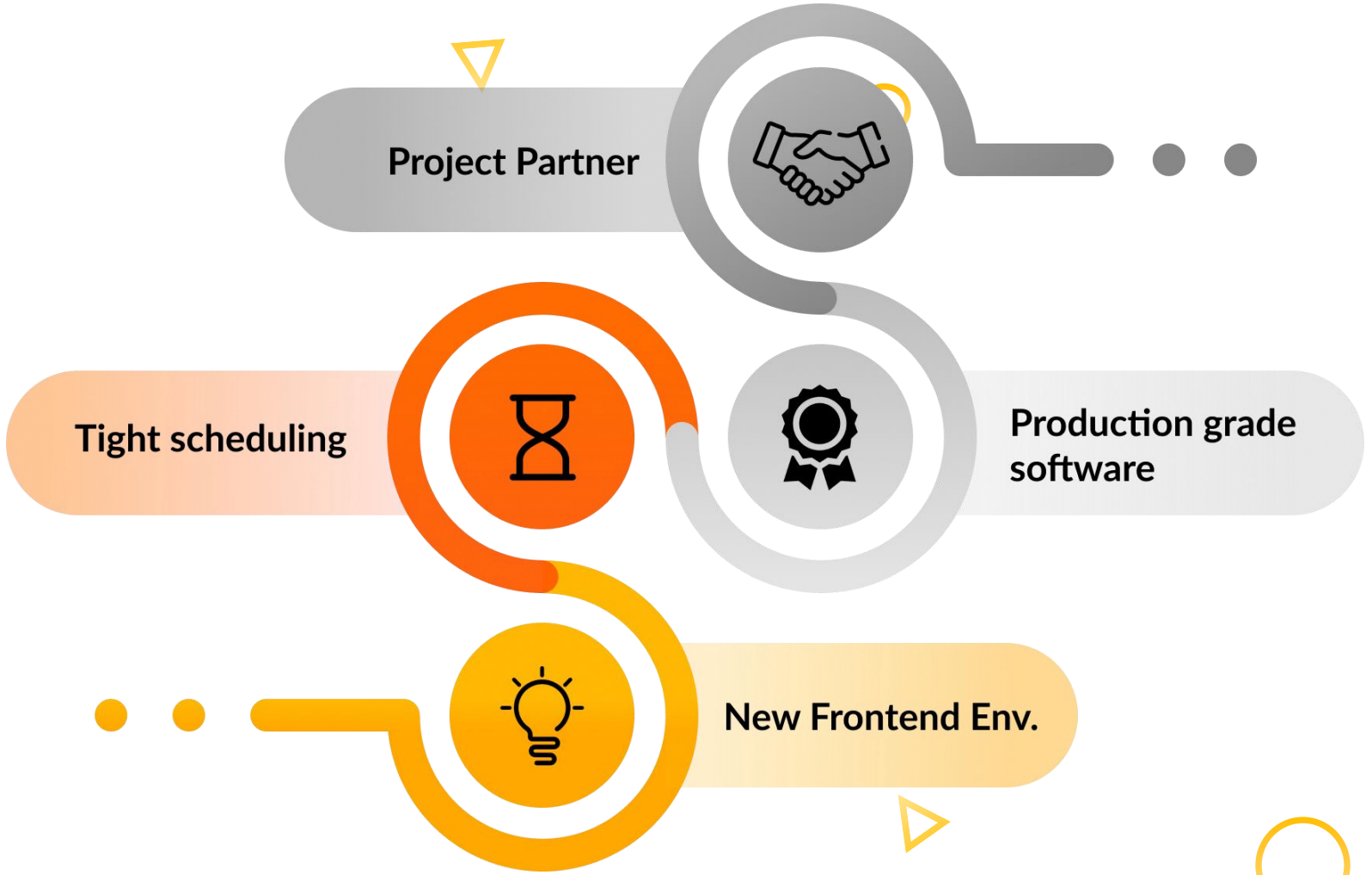
Final Retrospective

Project Finished

- Finished all major features



Learning experience



Team

Cserich Philipp

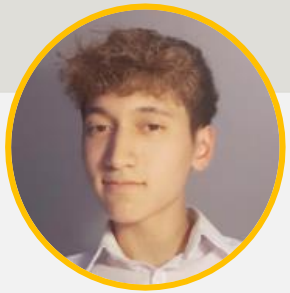
Team Leader

- UI - Design
- UX - Design

Siegl Bernhard

Project Member

- HTTP Integration
- MQTT Integration



Maurutschek Fabian

Project Member

- Testing
- Quality Assurance

Boigner Thomas

Project Member

- 3D Viewer