



Portfolio

Batuhan Sütbeyaz

Industrial & Transportation Systems Designer

Industrial Design • Future Mobility • Human-Centered Innovation

[Portfolio](#) → batuhan-sutbeyaz.com

Industrial designer trained at METU and ArtCenter who combines **systems thinking, visualization, prototyping, storytelling, and future mobility experience.**

Skilled in **ergonomics, cognitive workload reduction, rapid prototyping, and multidisciplinary collaboration with engineering teams.** Experienced in designing and validating **user-centered environments, mobility concepts, interfaces, and complex physical-digital experiences** through iterative prototyping and testing.

Passionate about creating products, services, and experiences that help people engage with technology in meaningful and memorable ways.

Contact

Email: hello@batuhan-sutbeyaz.com
Phone: +1(626)737-4160 | +90(501)528-1286
Los Angeles, CA, USA

Professional Experience

Aeros Corporation

Los Angeles, CA, USA | Transportation Designer | 2024-Ongoing

Contributed to early-stage development of **next-generation ML866 Aeroscraft aerospace systems**, translating evolving operational requirements **into testable design concepts**, working with engineering teams in a **DARPA funded development environment**.

Key contributions:

- Developed **future mobility concepts, operator environments, and spatial interaction systems** for an advanced aerospace platform.
- Conducted **ergonomic and usability testing with pilots and engineers** to improve situational awareness and operator workflow.
- Developed **concepts for airborne cargo warehouse systems** supporting autonomous drone delivery operations.
- Built **physical and digital prototypes** to validate spatial layouts, controls, and operator interactions.
- Collaborated with **structural and systems engineering teams** on modular airship architecture concepts.
- Facilitated **cross-disciplinary ideation sessions** with engineering teams during early system development.
- Produced **3D visualizations and VR simulations** for spatial evaluation and design validation.
- Applied **rapid prototyping methods (3D printing, model making)** to iterate cockpit layouts and mechanical components.
- Participated in stakeholder interviews to incorporate **operational feedback into system design decisions**.

Education



ArtCenter College of Design MSc Transportation Sys. Design

Los Angeles, USA | 2022-2025
CGPA: 3.27 (Honors)



Middle East Technical University B.S. Industrial Design

Ankara, Turkey | 2018-2022
CGPA: 3,23 (Honors)

Skills

Design & Research

- Industrial Design
- Visual Narrative Development
- Cognitive Ergonomics
- Design & User Research
- Systems-Oriented Design Thinking
- Workshop Facilitation
- Rapid Concept Development
- Experience Prototyping

Selected Industry & Academy Collaboration Projects



Driver's Interface and Instrument Panel for Improved Driving Safety

Client: MAN Türkiye

- Redesign of long-range bus driver environment.
- Focus on **HMI design, cognitive ergonomics, and driver awareness.**
- Integration of **head-up display concepts and tactile control interfaces** to reduce driver distraction.



Autonomous Mobility Experience for DiDi Global

Client: DiDi Global

- Designed interior architecture and passenger experience concepts for autonomous ride-hailing vehicles.
- Contributions included **vehicle interior layout, research, ideation, and prototyping.**



Digital Payment Platform for Hospitality Operations

Client: Sabancı DX

- Designed UI/UX architecture for a **restaurant ordering and payment platform.**
- Developed both **customer-facing application and staff order-management interface.**

Additional Professional Experiences

Ones Technology

Ankara, Turkey | Jr. Industrial Designer | 2022-2023

Worked closely with engineering teams on **hardware development, prototyping, and product integration.**

Key contributions:

- Designed and prototyped **custom electronic enclosures and operator hardware.**
- Developed **testing rigs and mechanical validation setups** for internal product development.
- Produced **3D-printed components and functional prototypes** for internal operational tools.
- Designed handheld monitoring devices for field operators.
- Collaborated with engineering teams on **integration of electronics and mechanical systems.**

Oruba Medical Technology

Ankara, Turkey | Industrial Designer (Part-Time) | 2021

- Contributed to the development of a **medical device concept**, focusing on industrial design and mechanical integration.
- Produced **3D visualizations and design presentations** for product development and marketing.
- Participated in early-stage product ideation and concept development.

AvA Yacht

Antalya, Turkey | Industrial Design Intern | 2019

- Gained hands-on exposure to **marine manufacturing processes**, including steel, aluminum, and composite fabrication.
- Designed a **modular exhibition booth system** for trade shows to be manufactured in the shipyard's in-house workshops.
- Observed full-cycle yacht design and production processes.

Prototyping & Fabrication

- SLA / FDM 3D Printing
- Laser Cutting
- Physical Model Making
- Functional Prototyping
- Soldering & Electronics

CAD & Visualization

- SolidWorks / Rhinoceros / Fusion
- Blender / Maya / Gravity Sketch

Visualization & Simulation & VR

- Unreal Engine / Twinmotion
- KeyShot

UI / Interface Design

- Figma / Adobe XD / Sketch
- Wireframing
- Interface Prototyping
- Information Architecture

Awards

IMIB Natural Stone Design Competition – 3rd Place

Award included a **two-year international master's scholarship** funded by the Turkish Exporters Assembly.

Languages

- Turkish- Native
- English- Professional Proficiency
- German- Beginner

Activities

- ArtCenter Student Government – Graduate Representative
- METU Mountaineering & Winter Sports Society – Head of Communications
- METU Design Society – Model Making Studio Director
- Licensed Muay Thai Athlete
- Windsurfing Instructor