



Microsoft Interactive Selfie Screen Installation

Mechanical design, structural engineering, and on-site deployment for Microsoft's interactive installation at **GISEC Dubai** — delivered under live event conditions.

Mechanical Design

Cladding and support structures built to spec

CAD Modeling

Component layouts developed in SolidWorks

Installation

On-site assembly, fitment, and structural adjustments

Problem Solving

Real-time design challenges resolved during deployment

Mantafoil E-Board Design & Assembly

Precision mechanical assembly and structural integration for **Mantafoil electric hydrofoil boards** — products engineered for international distribution and high-performance use.



Precision Assembly

Alignment and integration of complex mechanical systems to exact tolerances



Lightweight Engineering

Exposure to advanced lightweight structures and high-performance materials



Quality & Performance

Ensured operational readiness and product quality ahead of distribution



Dynamic Moving Screen Wall Design



What Was Built

A fully movable screen wall system engineered for dynamic, interactive event environments — balancing structural integrity with smooth user-facing motion.

→ **Structural Integration**

Mounting mechanisms and component positioning for load-bearing stability

→ **Motion Functionality**

Smooth travel and operational feasibility validated during assembly

→ **Fabrication Coordination**

Collaborated across engineering and fab teams to meet tight event deadlines

Expo 2020 Dubai Engineering Contributions

Delivered engineering and fabrication support across multiple high-profile exhibition systems at **Expo 2020 Dubai** — from custom mechanical components to fully interactive installations.



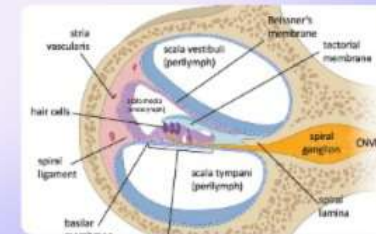
UAEU Exhibition Pavilion

Custom structural components and mechanical design for the university's showcase pavilion



DULSCO Interactive Game

Contributed to the interactive product development and physical installation of an engaging game system

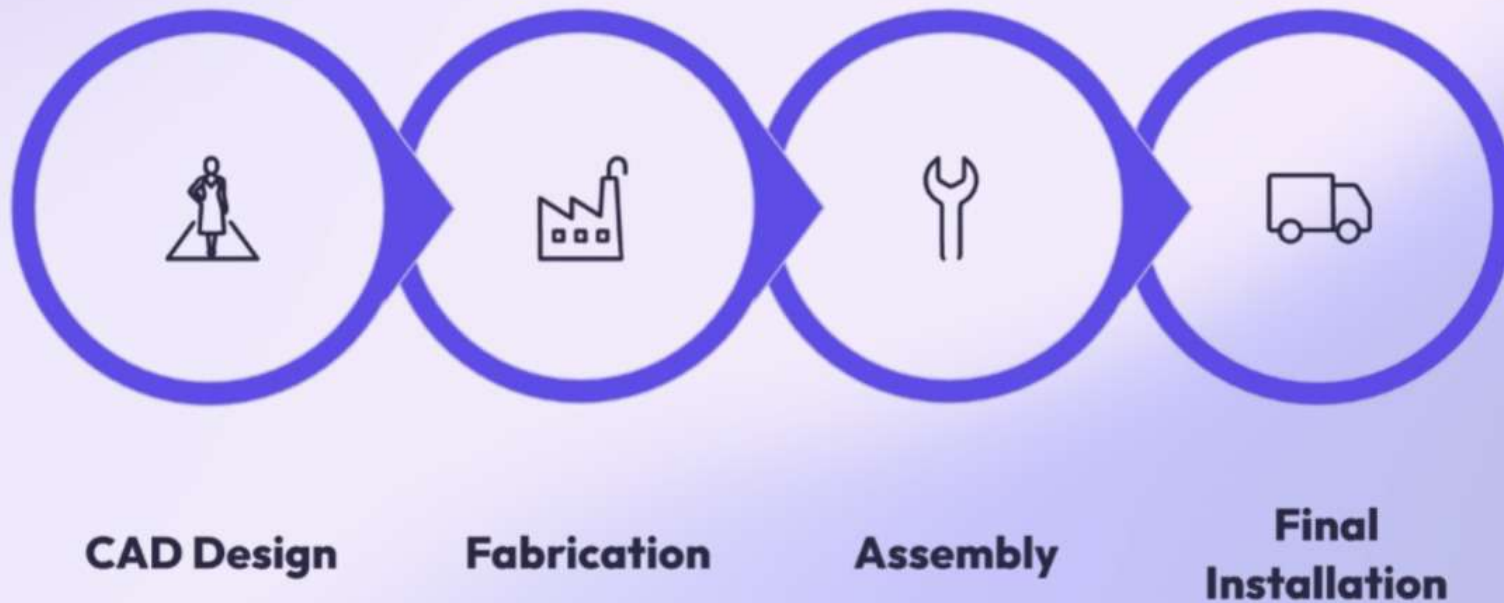


Lighting & Mechanical Installations

Supported rapid problem-solving and delivery of technically functional, visually striking systems

From Concept to Installation

A Complete Engineering Workflow



These projects strengthened hands-on experience in **mechanical design, rapid problem solving, and engineering coordination** within fast-paced entertainment and exhibition environments — from the first sketch to the final bolt on site.