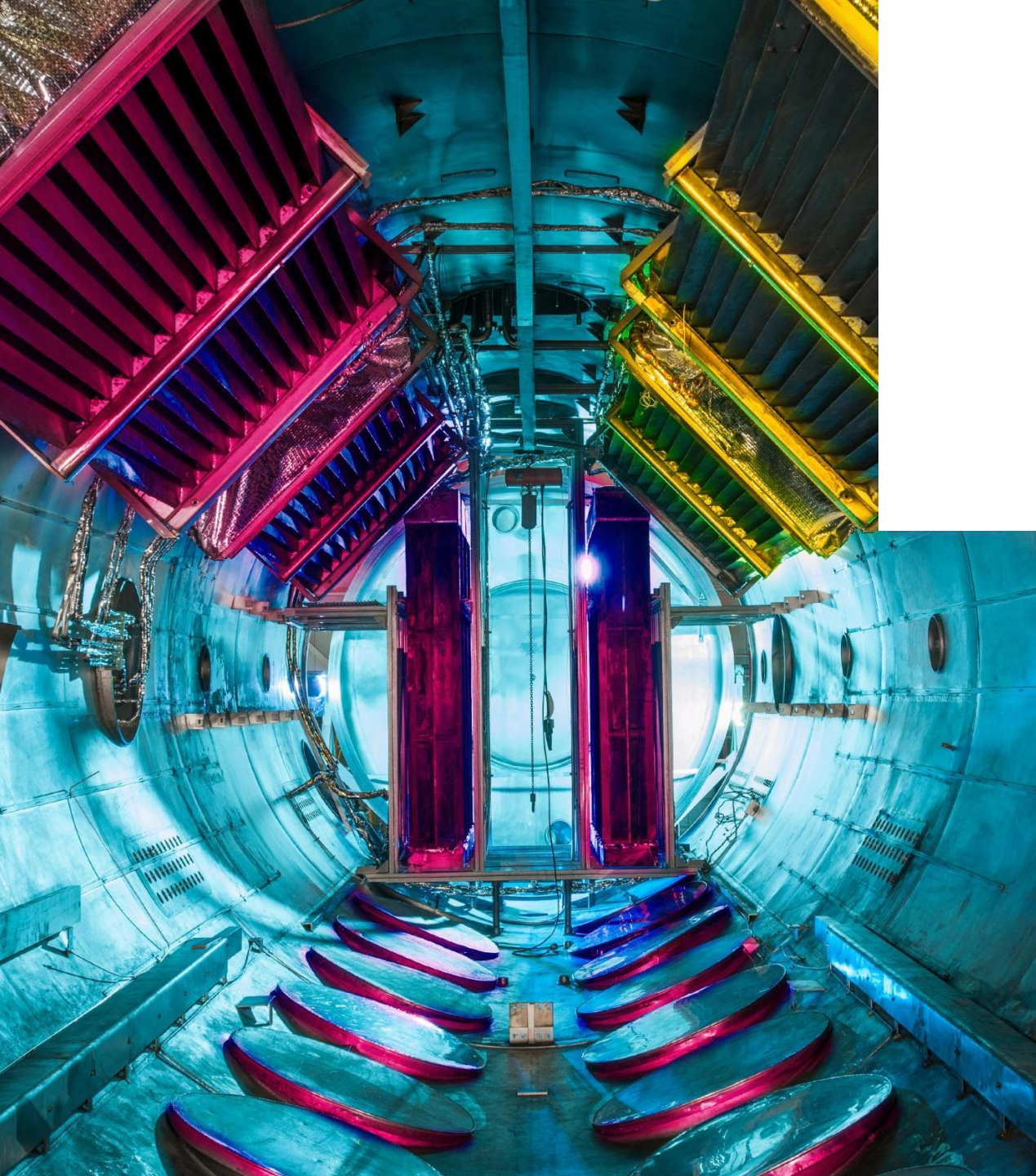




TALTECH SPIN

VISION



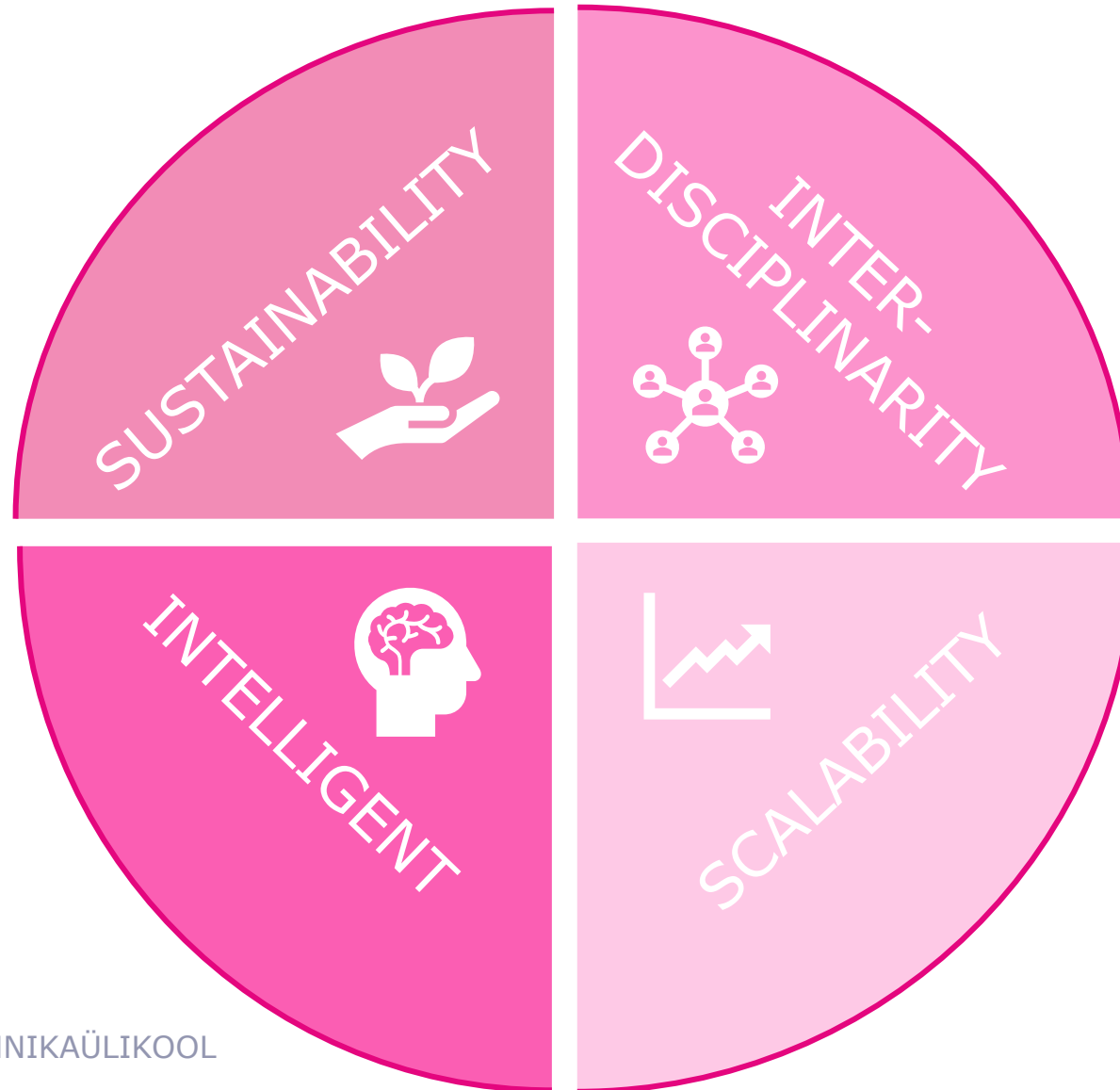
**A WORLD WHERE ACADEMIC
EDUCATION DELIVERS TANGIBLE
IMPACT.**

MISSION



**DEVELOPING TALENT THAT DRIVES ECONOMIC
GROWTH AND STRENGTHENS ESTONIA'S
COMPETITIVENESS.**

CORE VALUES



TALTECH SPIN



GOAL	DURATION	FORMATS	TARGET
PRODUCT DEVELOPMENT	1-3 YEARS	STUDENT PROJECTS, COMPETITIONS, SPIN-OFFs	TEAMS OF 70+ PPL
IN DEPTH KNOWLEDGE	1-2 YEARS	INDUSTRIAL MSc/PhD, INNOVATION CLINIC DEEP HACKATONS	TENS OF INDIVIDUALS
TEAMWORK	1 SEMESTER (16 WEEKS)	CBL COURSES COMPANY CHALLENGES	10+ TEAMS PER COURSE
AWARENESS	1-48 H	LECTURES INFO & DEMO DAYS HACKATONS, SPRINTS SEMINARS, COMPANY VISITS	100+ STUDENTS

CBL



CB L



STUDY PLATFORM 'NEXUS'

A TESTBED for complex problem-solving: energy resilience, tactical mobility, and on-demand manufacturing.

1. ENERGY: Storage Density & Dynamic Management

Core Challenge: Optimizing restricted power budgets (\$200W\$ Solar + LiFePO4) to maintain systemic uptime and support external mission-critical hardware during grid failure.

2. TRANSPORT: Context-Aware Autonomy & Traversal

Core Challenge: Implementing LiDAR-based navigation and "Follow-Me" logic for high-mobility traversal in unstructured environments (mud, snow, debris) while maintaining extreme energy efficiency.

3. CONSTRUCTION: Robotic Precision & Site-Sensing

Core Challenge: Leveraging cost-effective robotic actuation for millimeter-precise field tasks (drilling, sensor deployment) and transforming mobile platforms into autonomous surveying stations.

4. MANUFACTURING: Distributed Production & On-Site Additive

Core Challenge: Utilizing integrated 3D printing to achieve supply chain sovereignty, enabling the on-demand fabrication of replacement components and bespoke parts directly at the operational site.

**TAL
TECH**

1 000€ PRICE CAP

