Key Industry Sectors:
Space, Resources, Agriculture, Energy, Construction, Manufacturing

Exploration	Extraction	Processing	Construction	Manufacturing	Sustainability
Resource identification and analysis through automated sensing; mapping and analysis of the physical environment	Environmentally responsible resource excavation; operation design and optimisation; transportation	Modular, mobile, compact and light-weight (= highly integrated) processing; automated systems	Permanent and transportable infrastructure including habitation, industrial facilities and laboratories	In-situ production of advanced and smart materials	Consumables: food production and health; oxygen, water, fuels and propellants

Energy	**Sustainable energy for industrial processes and communities in remote and harsh environments via fixed and mobile platforms**
Autonomy	**Highly reliable autonomy enabled by artificial intelligence, machine learning, and industrial IoT**
Mechatronics	**Automated and intelligent low-maintenance vehicles and equipment, optimised and ruggedised for extreme industrial environments**

Additional Cross-Cutting University Capabilities:
Law, Policy, Economics, Business, Communications, Robotic Vision, Situational Awareness, Advanced Sensing