

Our Vision

To establish Costa Rica as a premier hub for innovative microgravity and vacuum research, fostering scientific breakthroughs and inspiring the next generation of scientists and engineers in Central America and beyond.



Our Mission

To provide an accessible, state-of-the-art facility that empowers researchers, students, and industry partners to further advance space research without any limits accelerating advancements in STEAM.



About Us

Summit Tower is a groundbreaking research facility located in Costa Rica, uniquely designed to simulate the extreme conditions of microgravity and high vacuum. Our advanced drop tower system enables short-duration free-fall experiments, offering a cost-effective and readily available platform for a diverse range of scientific investigations.

We bridge the gap between terrestrial laboratories and space missions, providing invaluable opportunities for preliminary testing, materials science, biological studies, and technological validation. Summit Tower is committed to fostering collaboration and driving innovation in space-related fields.



Summit Tower

Microgravity & Vacuum Research Facility

Connect with Summit Tower



Summit tower-microgravity



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What We Offer

Summit Tower provides a unique environment for critical research and development across various disciplines.



Microgravity Simulation

Access near-weightless conditions for experiments in physics, chemistry, fluid dynamics, and any science, free from the high costs of space missions.



Vacuum Environment

Conduct research in a controlled high-vacuum setting, crucial for simulating space conditions, studying material properties, and developing aerospace technologies.



R&D Support

Utilize our facility for proof-of-concept studies, educational programs, and industry collaborations, accelerating innovation and discovery.



Flames in Microgravity

Fostering Collaboration

Summit Tower is driven by a dedicated team of experienced scientists, engineers, and visionaries committed to advancing research and fostering a collaborative scientific community. Our collective expertise ensures a world-class facility and unparalleled support for your projects. Some of our collaborations include:



Red PlaNet

Texas Tech Costa Rica
Aerospace & Engineering
Organization



Star-One

Engineering startup
focused on research
equipments and
automation machines

We are continuously exploring new partnerships to expand our research capabilities and foster innovation within the global aerospace and scientific communities.