

SAGA Space Architects Customer Story

# Pushing Boundaries and Thriving in Extremes with Lenovo

Lenovo

**SAGA Space Architects is an innovative architecture and engineering studio designing structures that enable human survival in extreme environments. Founded in 2018, it has quickly become a leader in pushing architectural boundaries, from underwater habitats to sustainable housing in challenging climates.**

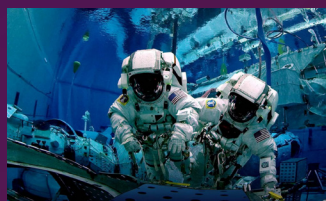
“To push the frontiers of architecture, you need exceptional performance and reliability in your tools.”

**Sebastian Aristotelis,**  
Co-founder & Lead architect, SAGA Space Architects

At SAGA Space, this means leveraging Lenovo Workstations and ThinkPad laptops equipped with the latest NVIDIA technology. From 3D printing houses to simulating space environments, these machines provide the power and precision needed to bring groundbreaking projects to life.

## The Challenge

SAGA Space's work is demanding and groundbreaking, tackling projects in extreme environments, from space habitats to underwater facilities. These conditions leave no room for error; every aspect of design and construction must be meticulously planned and executed. Success depends on high-performance workstations, enabling advanced fabrication and simulations, ensuring final structures perform flawlessly in unforgiving conditions.



## The Solution

To meet these challenges, SAGA Space relies on Lenovo's ThinkStation P8 and ThinkPad P1, equipped with NVIDIA RTX™ professional GPUs and powerful CPUs. These workstations allow complex simulations, rapid design iterations, and digital twins tested before physical construction begins. Running AI models locally, even in remote or harsh environments, ensures that SAGA Space maintains its high standards of innovation and reliability.



Sebastian reflects on the company's journey: "From the beginning, we were fortunate to partner with Lenovo. Their technology empowered us to take on projects that once seemed like distant dreams. Lenovo's support has been instrumental in pushing architectural boundaries and redefining what's possible in extreme environments."

“Designing for space requires precision, and Lenovo Workstations help us ensure all components fit together perfectly.”

**Simon Kristensen,**  
Co-founder & CTO, SAGA Space Architects

SAGA



# How Lenovo Workstations Transformed Their Process

The Lenovo ThinkStation P8 with AMD Ryzen™ Threadripper™ PRO and NVIDIA RTX professional GPUs offers stunning performance with up to 96 cores and clock speed up to 5.3GHz. The P8 combines Lenovo's legendary reliability and customer-driven innovation with professional manageability and enterprise-class support.

Purpose built with the speed and configurability the professional AI workflows require, this powerhouse offers PCIe Gen4, unmatched professional GPU support, as well as increased storage speed and fast onboard 10GB ethernet. The ThinkStation P8 paired with the ThinkPad P1 provide the tools you need to fully realize your creative vision.

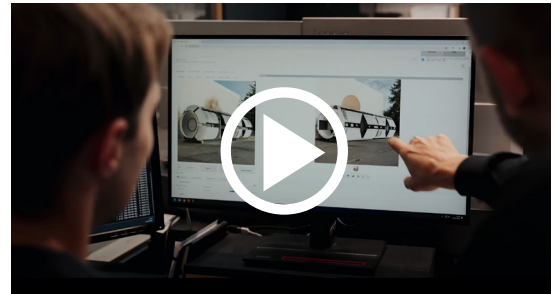
“One of the really great things about using Lenovo products is that there's a different form factor for each step in the digital fabrication process.”

Simon Kristensen,

Co-founder & CTO, SAGA Space Architects

**Watch Video**

See how the ThinkStation P8 powers their creativity with the ThinkPad P1 wherever they're working.



## Workstation Specifications

### ThinkPad P1

#### Processor:

**Up to 5.1GHz  
16 Cores**

Intel® Core™ Ultra processors  
with Intel vPro®

#### Graphics:

**Up to NVIDIA RTX™  
3000 Ada Generation  
Laptop GPU**

High-performance professional  
graphics and AI acceleration

#### Memory:

**Up to 64GB LPDDR5x**  
7467MT/s LPCAMM2

#### Storage:

**Up to 8TB M.2  
PCIe® Gen4**

NVMe Performance SSD

### ThinkStation P8

#### Processor:

**Up to 96 Cores  
5.3GHz**

AMD Ryzen Threadripper PRO  
7000 WX-Series Processor

#### Graphics:

**Up to 3 NVIDIA RTX™  
6000 Ada  
Generation GPU**

Or up to 4 NVIDIA RTX™  
A4000 GPU

#### Memory:

**Up to 1TB DDR5**  
8 DIMM Slots

#### Storage:

**Up to 52TB**

Up to 9 Drives Total



## Why Lenovo

Focused on a bold vision to deliver smarter technology for all, Lenovo is developing world-changing technologies that create a more inclusive, trustworthy, and sustainable digital society. By designing, engineering, and building the world's most complete portfolio of smart devices and infrastructure, we are also leading an Intelligent Transformation—to create better experiences and opportunities for millions of customers around the world.

**Lenovo**

 **nvidia**

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