

West Coast Solutions Develops Integrated Thermal Management and Precision Control Systems for Lazuli Space Observatory

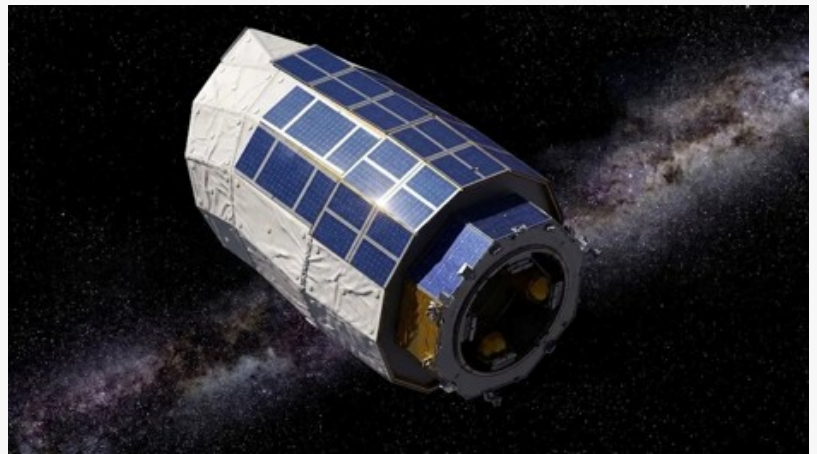
West Coast Solutions (WCS) is providing advanced thermal management, precision control systems, and auto-alignment technologies for the Lazuli Space Observatory

HUNTINGTON BEACH, CA, UNITED STATES, August 20, 2026

/EINPresswire.com/ -- [West Coast Solutions \(WCS\)](#), a developer of

advanced aerospace electronics and hardware, operating out of Huntington Beach, California, is making waves in

the industry by redefining the development cycle of robust high-performance electrical and thermal management systems for mission-critical space technologies.



Lazuli Space Observatory

Today, WCS proudly announced its participation with Raytheon, an RTX business, as they provide advanced thermal management, precision control systems, and auto-alignment technologies for the Lazuli Space Observatory, a high-visibility initiative within the Eric and Wendy Schmidt Observatory System rapidly advancing [at Schmidt Sciences](#).

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Michael Darlington

West Coast Solutions is proud to support the high-precision optics being developed by Schmidt Sciences and collaborators. “This program is a great example of the work

that can get accomplished when a traditional prime partners with a small company. Raytheon has been incredibly helpful with supply chain assistance – helping WCS source components to meet the quick program timeline,” said Michael Darlington, Principal Electrical Engineer at WCS spearheading these integrated endeavors.

As part of this effort, West Coast Solutions is charting the course for innovation, developing the

integrated Modular Processing Control System (MPCS), which includes electronics for fine steering mirrors and the fully integrated end-to-end thermal control system utilized in the Lazuli telescope being [built by Raytheon](#).

The company's engineering approach focuses on developing electronic, electro-mechanical and electro-optical modules integrated into a robust, high performance, plug-and-play system on a rapid timetable. The delivered system will provide precision pointing and thermal stability controls throughout the mission lifecycle. By integrating advanced rapid-control electronics with mission-specific performance requirements, West Coast Solutions is helping to enable the precise alignment necessary for high-resolution and rapid astronomical observations.

"While we are proud of the growth we've achieved since our founding in 2015 from consulting and engineering services to now space hardware manufacturing, we are equally proud that we've never lost the lean edge we developed to help us survive those early years. We are deploying that lean edge now to meet the challenges of the Lazuli Space Observatory within the promised schedule with what I am confident will be world-class avionics. We are immensely honored to have this opportunity to contribute these technologies which will support the next generation of space-based astronomy," said Dr. Carl Kirkconnell, President of WCS.

About West Coast Solutions

West Coast Solutions was founded by Dr. Carl Kirkconnell in 2015 and is a talented, multidisciplinary team of experienced aerospace and defense professionals dedicated to solving your toughest challenges in aerospace electronics, cryogenic systems, and space & tactical power. Honored with the prestigious AS9100 Supplier Certificate and recognized as JPL's Small Business of the Year (SBOTY) in 2024, WCS is upholding the highest industry standards, while ensuring quality and reliability in everything we do.

About Schmidt Sciences

Schmidt Sciences is a nonprofit organization founded in 2024 by Eric and Wendy Schmidt that works to accelerate scientific knowledge and breakthroughs with the most promising, advanced tools to support a thriving planet. The organization prioritizes research in areas poised for impact including AI and advanced computing, astrophysics, biosciences, climate, and space—as well as supporting researchers in a variety of disciplines through its science systems program.

For questions regarding the Lazuli Space Telescope or the Schmidt Observatory System, please contact comms@schmidtsciences.org.

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