

IMP ELECTRONIC SYSTEMS CONTRIBUTIONS TO THE JAMES WEBB SPACE TELESCOPE



IMP Electronic Systems successfully designed and manufactured wire-harnesses for the Fine Guidance System as part of the James Webb Space Telescope (JWST).

After being selected by Honeywell in 2007 to manufacture, design, and test a range of qualification, engineering test, and flight wiring harnesses, IMP Electronic System's technical team worked closely with the Honeywell team to turn the grand vision of the JWST into a reality.

The JWST was officially launched in 2021 and has wowed the world with never-before-seen photos of the universe. Along with producing some of the sharpest photos of space up until this point, the JWST has also led to scientific discoveries such as finding the oldest galaxy ever seen (13.5 billion years old) and finding the first detection of water in the atmosphere of an exoplanet.

The IMP Electronic Systems team was required to meet strict contamination control requirements, in a Class 7 clean room that was outfitted with additional control measures. Extremely low operating temperatures (-243 degrees Celsius) were required for this project to mimic the vacuum of space, so a special cryogenic test chamber was built at Honeywell to test the manufactured qualification harnesses.

IMP Electronic Systems is proud to have contributed to this scientific accomplishment that NASA says will "study every phase in the history of our Universe."



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