

# Crean Inc. Celebrates Success of NASA Perseverance Rover Launch

*Aerospace engineering and Smart Factory technology provider Crean Inc. celebrates NASA's successful Mars 2020 Perseverance Rover mission launch.*

AUSTIN, TEXAS, UNITED STATES, September 8, 2020 /EINPresswire.com/ -- After years of painstaking development, [Crean Inc.](#) celebrated with NASA the launch of the Mars 2020 Perseverance Rover mission. Crean Inc., an aerospace [engineering](#) and [Smart Factory](#) technology provider, is a long-time supplier to NASA's Jet Propulsion Laboratory (JPL).



Photo taken by The National Aeronautics and Space Administration (NASA)

Crean Inc. Mechanical Engineer Dave Sherry supported Mars 2020 testing at NASA's JPL prior to launch.

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*Dave Sherry*

“I am delighted to witness the successful launch of Perseverance,” Sherry said. “Assisting with the technology to record the Entry, Descent and Landing (EDL) of the spacecraft on Mars is some of my most rewarding work, and I look forward to seeing the product of our efforts.”

Sherry's participation included work on PIXL and SHERLOC

(two types of spectrometer systems that can spot biosignatures) as well as a set of EDL cameras, microphone and recording system. If the system performs as intended, it will record the “7 Minutes of Terror” that take the vehicle through aerobraking, parachute descent and then the powered descent with the rover on a “sky crane.”

The EDL camera system for Perseverance was an add-on, non-mission-critical system. The team selected commercial off-the-shelf components and worked to put them through an appropriate environmental screening – the system passed all testing and is installed on the spacecraft.

“It was great to see a large organization like JPL do something novel, knowing that it was not mission critical,” Sherry said. “I think these images, video and audio will be among the most iconic ever captured during the space era.”

The new system will take still photos, video and sound during entry, descent and landing. It is expected to reach Mars in February 2021.

About:

Crean Inc. provides services to industries looking to be at the cutting edge of innovation. By combining engineering talent from the aerospace industry with leading Smart Factory specialists, they help their clients develop systems from ideas to full-scale production. Crean understands the challenges of modern-day manufacturing supply chains and the pressure to deliver products quickly. Standards and production processes are constantly changing, and Crean helps manufacturing operations to implement Smart Factory methods and technologies that will outperform all competition and help companies adapt to these changes and remain competitive in the U.S. market.

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