



Two Planet
Steel



Two Planet Steel Proposal for a Caltech Symposium on Building a Martian Science Station

December 5th, 2023 – Two Planet Steel has been working on an exciting new symposium proposal. Every year the Keck Institute for Space Studies (KISS) at Caltech solicits proposals for symposiums and study programs. According to their website, “the goal of the program is to develop ideas and concepts that have the potential to impact future space missions.” Two Planet Steel’s proposed symposium is titled “Self-replicating making on Mars: How to use robots, electricity, electrolysis, and steel in a loop to build the first Martian science station.” We have secured a commitment from Jet Propulsion Laboratory (JPL) roboticist Kalind Carpenter to act as proposal co-lead (with Two Planet Steel’s Founder Rif Miles Olsen), as well as commitment letters from several other JPL roboticists to attend (should judges choose to host the symposium at KISS). Last week and again this week, invitations to attend were sent to engineers at several other prestigious institutions. The full proposal will be submitted to KISS on December 20th, 2023.

About Two Planet Steel

Two Planet Steel is a leading materials technology company with environmentally friendly technology to efficiently separate iron, nickel, rare earth elements, platinum group metals, and many other critical energy metals from mixed feedstocks with high iron content. Two Planet Steel's unique technology is called FIC. Two Planet Steel focuses on FIC R&D, FIC reactor optimization, FIC reactor manufacture, optimization of that manufacture, FIC residue separation, the powder metallurgy of FIC-enabled powders, as well as licensing its technology. Two Planet Steel is committed to supplying the advanced metal materials the clean energy transition needs. For more information, visit: <https://twoplanetsteel.com>.