



## Two Planet Steel's partial assembly of its FIC reactor

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Two Planet Steel has made significant progress towards testing its FIC technology. The company is excited to share that the first partial assembly of its innovative FIC reactor is underway. This milestone results from months of dedicated work and is an important step towards producing zero-emission iron and steel powders. Two Planet Steel Founder, Rif Miles Olsen, said about the progress:

"It feels good to reach the milestone of this partial assembly. Most of the custom parts missing from this initial assembly are completed or nearly completed, while all of the off-the-shelf parts are already here at the prototype workshop or on order. It won't be long now before we have an assembled prototype/pilot plant that we can begin testing on.

Reaching this milestone has taken longer than I first hoped for. However, unwanted delays should be really be expected when taking on a project with so many new features. The work done in the past year involved a steep learning curve. The company benefited from hundreds of lessons learned in the many details involved in building a small pilot plant that will operate at pressures of 200 atmospheres. For those who do not know, 200 atmospheres of pressure is high even for state-of-the-art rocket engines, and this FIC system will use some gas flows that will impress even rocket scientists. Right now, I am very bullish on the prototype/pilot plant testing Two Planet Steel will soon begin."

In addition to this achievement, the company also recently received an extension from the National Science Foundation, ensuring continuing support. This extension will be vital as Two Planet Steel continues to move forward.

### **About Two Planet Steel**

Two Planet Steel is a start-up making zero-emissions steel - an environmentally friendly, climate-improving material. 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, and the powder metallurgy of FIC-enabled powders. For more information, visit: <https://twoplanetsteel.com>.