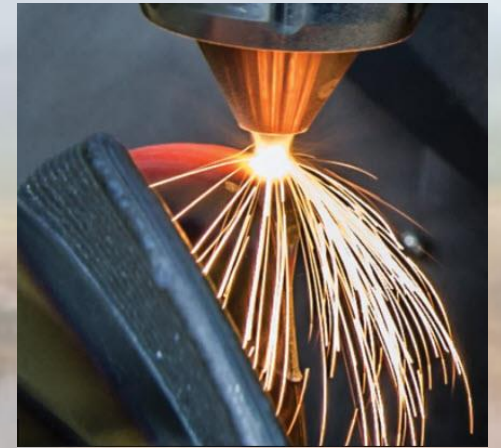


Problem: To produce clean geothermal energy, we need a new mechanical device that is used in the wells to isolate zones. This device must work at extremely high temperatures.

Solution: The engineering team at *Downhole Emerging Solutions* in Houston, Texas have invented a solution and are developing this technology now. One key component of this invention cannot be machined. It MUST use “Additive Manufacturing”, also known as “3D Printing” to be manufactured.

Status: With funding from the Department of Energy’s American-Made Geothermal Prize contest, prototypes have been created and lab testing is soon to start.

To follow: See the contest [here](#) and our YouTube videos [here](#).



Solutions for Geothermal Problems



U.S. DEPARTMENT OF ENERGY

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