

## **Cover Page**

**Project name:** Using AM to rapidly deploy new sensors into EGS

**Innovation tag:** Bringing processing power to the edge in extreme environments

**Link to video:** <https://youtu.be/Yui95SxpI2Y>

### **Key project members:**

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**Keywords:** Additive manufacturing, geothermal, high temperature, sensors, compute modules, sensor capes, rapid sensor integration

**City and State:** Fayetteville, Arkansas

### **Connectors:**

- Oak Ridge National Laboratories, Manufacturing Demonstration Facility (ONRL-MDF) – supporting development of AM for ultrahigh-temperature high-pressure hermetic seals.
- Pacific Northwest National Laboratories (PNNL) – the science of geothermal well monitoring specifications and test sites

### **Other partners:**

- Jack Cole of Cole Engineering Inc. – Jack connected us with the downhole community and his drill string expertise is essential for our success with the DOE Directional Drilling Phase I & II project.
- Grafana – Grafana’s open-source software provides very powerful analytics and data monitoring of the data produced by Ozark IC’s XNode modules.