

# ANSYS professional services helps HLM Energy develop multi-physics workflow

Highland Light Management



## Background

- HLM is developing the Dry Fracture Shale System (DF2S) Radio Frequency stimulation process/system, which is expected to increase US oil reserves by a factor of 10 or greater by providing access to over 1.2 trillion barrels of potential oil.
- HLM engaged with ANSYS Professional Services to help develop a detailed model of their system and process.

## ANSYS Solution

ANSYS Professional Services provided mentoring services, which allowed HLM engineers to develop:

- A customized, multi-physics workflow
- 2-way coupling between HFSS and Thermal Mechanical, including simplified fluid model
- Automation using Python

## Key Results

Consultation with ANSYS helped in

- Expert recommendations and best practices
- Accelerated learning
- Expedited support from consistent staff

*“Ansys helped us develop from novice to expert users much faster than we could on our own. The mentoring services will pay for themselves several times over.”*

Preston “Chip” Grounds  
Chief Scientist  
Highland Light Management

Expert advice across physics

Accelerated learning

Single platform solution