

**Name of project.** System for Investigating Foam Processing Methods under High Pressure (P) and High Temperature (T)

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Please provide a description of your project

Only system available to capture foaming processes under uniform and easily adjustable extensional and shear flows.

Objectives of this project:

- 1) Develop a novel system to observe and capture the plastic foaming process under controllable environmental and mechanical conditions
- 2) It should also be able to capture the bubble formation and growth processes with fine temporal and spatial resolution. These functions must be achieved simultaneously while maintaining easy control and adjustment of the experimentally critical parameters.

Who should apply for this project- MEC, IND, both? Both