

Vision

Efficient, sustainable and economical technologies for domestic natural gas utilization

Objectives

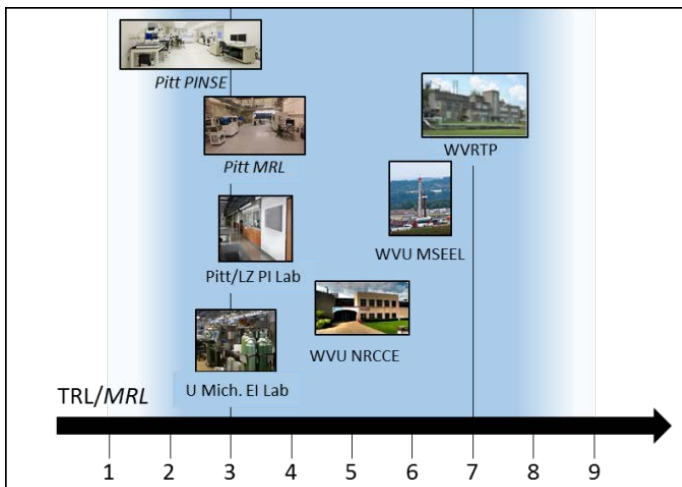
- Leverage abundant natural gas reserves by providing domestic options for utilization
- Mature and demonstrate transformational and enabling technologies for domestic natural gas utilization
- Inform development of intensified, modular equipment and processes
- Maximize environmental and economic impact through transfer of technologies and learnings across industries

Key Approaches

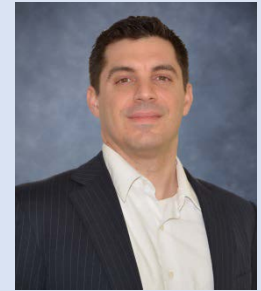
- Formulate Natural Gas Upgrading R&D Roadmaps: *Indirect, Oxidative, Non-Oxidative, Enabling*
- Dedicated Facilities with TRL/MRL continuity establishing efficient commercialization pipeline
- Coordinate, baseline and standardize testing and evaluation across all relevant TRL/MRLs for effective R&D guidance and achievement of RAPID goals
- Integrated efforts with other RAPID Application Focus Areas
- Methodically engage Technical Advisory Board and DOE points of contact
- Annual Roadmap reviews

Expected Outcomes

- Through DOE and Industrial guidance, generate relevant and impactful funding opportunity announcements
- Generate transformational natural gas upgrading technologies that demonstrate significant progress toward RAPID metrics
- Reduce barriers to market entry for expanded use of natural gas as a feedstock
- Provide commercially-ready, FOAK prototypes



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RAPID's focal point for technology development in natural gas upgrading