

TROPEC – PROGRAM SUMMARY (JULY 2014)



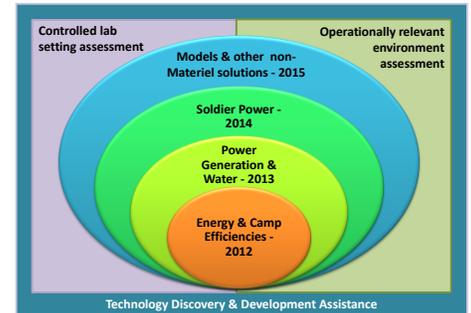
Mission: Reduce operational energy consumption with an emphasis on utility in tropical environments, while maintaining or improving warfighter capability.

Goal: Identify solutions capable of reducing operational energy consumption at PACOM expeditionary basing by 50% from 2012 to 2016.

Method: Combine PACOM and Service Component expertise in tropical environments operations with Department of Energy expertise in energy efficiency & demand reduction, and – through a process of technology identification, review and assessment – provide strategy and acquisition professionals with insight and information on material and non-material solutions for energy reduction and enhanced capability.

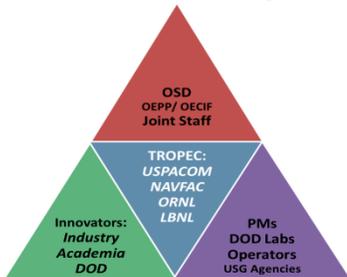
TROPEC Summary, 2014:

Transformative Reductions in Operational Energy Consumption (TROPEC) provides myriad services and expertise critical to helping USG Agencies and DOD prepare, respond and execute a broad range of expeditionary missions. Offering assistance with technology identification, performance analyses, mission-impact assessment, operational and environmental utility of *both* materiel and non-materiel solutions, the TROPEC program can assist virtually every decision maker with a range of assistance. Over time we have broadened our solution expertise, and will continue to do so in response to *your* requirements.

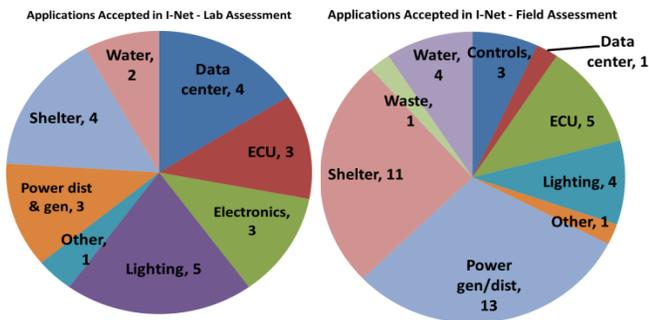


Programmatics:

- TROPEC works across the public and private spectrum (including ~75% of innovators from small business) to build partnerships, enabling identification and high-quality assessment of a broad range of solutions:



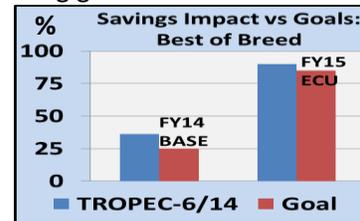
- A broad range of capabilities have been studied by TROPEC, in both our lab and field assessments to date:



- TROPEC outreach ensures the number of solutions assessed in each category will continue to grow in out years.

Findings:

- Assessments have identified top candidates for operational energy reduction. System-of-system combinations have shown potential for over 30% savings across a basecamp, against a 2014 TROPEC goals of 25%, with ECU-related energy savings at ~80%, exceeding goals set for 2015.



- Assessment reports for specific solutions are available to government entities upon request.
- Summary reports from each field assessment event and lab assessment grouping are available on our website.

Future:

- Provide a mechanism to help USG identify solution sets from across the Innovator landscape.
- Work with USG partners to define assessments relevant to their needs; offer up to 50% cost share on conduct of assessments in 2015.
- Perform OCONUS assessments across the USPACOM AOR – especially in tropical regions – in conjunction with exercises, training and missions.

Visit www.tropec.net for more information on the TROPEC program and access to summary reports.

Detailed analyses will be shared upon request, and are designated For Official Use Only.

