

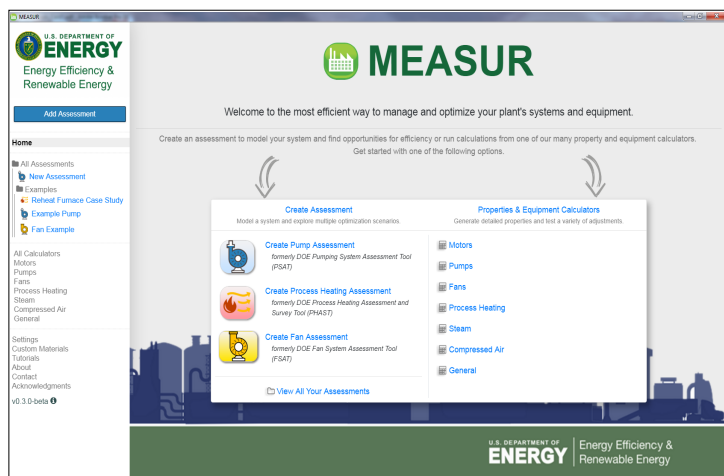
DOE Energy Software Tools

DOE's Advanced Manufacturing Office offers a host of software tools to promote the identification and implementation of energy saving opportunities and energy management practices, including:

Energy Systems Analysis	Energy Management
PSAT (Pumps)	50001 Ready Navigator
FSAT (Fans)	Energy Footprint Tool
AirMaster+ (Compressed Air)	PEP (Plant Energy Profiler)
SSAT (Steam)	PWP (Plant Water Profiler)
PHAST (Process Heating)	Energy Performance Indicator (EnPI)
MotorMaster (Motors)	EnPI Lite

DOE's Newest Resource: MEASUR

The MEASUR tool suite brings together all of the DOE's existing energy systems software to aide manufacturers in improving the efficiency of energy systems and equipment. The tool contains 40+ calculators and system modeling capabilities to analyze major energy systems such as Pumps, Fans, Compressed Air, Steam and Process Heat













Download Links

- DOE Software Tools - www.energy.gov/AMOTools
- Open Source Code - <https://github.com/ORNL-AMO>

www.energy.gov/AMOTools

MEASUR Tool Suite

MEASUR Benefits and Features

Multiple Operating Systems	  
Both Web and Desktop Interfaces	 
Open-Source GitHub Repository	
Auto-Update Capability	
Enhanced Tool Interoperability	
Common Software Engine Library	
Crash Reporting to Assist in Debugging	

MEASUR Capabilities

- Create assessments for major support systems: pumps, fans, compressed air, process heat and steam
- Compare multiple energy savings projects in a single analysis
- Prioritize energy improvement projects with quick, simple savings analyses
- Generic system diagrams to better understand your energy systems
- Display, print, or export info from the assessments including - inputs, graphs, Sankey diagrams, results, and facility info
- Generate custom graphs and Sankey diagrams for each scenario
- 40+ calculators for understanding and improving efficiency opportunities in specific equipment

Future Training Opportunities

DOE is exploring and pursuing the following complementary training options:

Online Tool Tutorials	Developed for each tool (online video)
Better Plants In-Plant Trainings	Expanding deployment of In-Plant Training curriculum (classroom & in-field)
Expertise/Certification Training	Exploring 3 rd party development and implementation of professional certifications in key systems