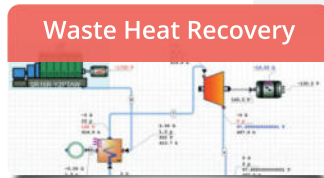
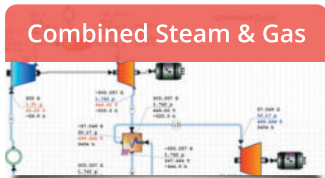
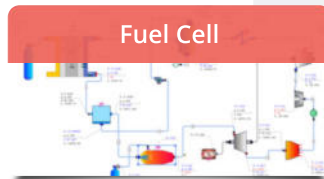
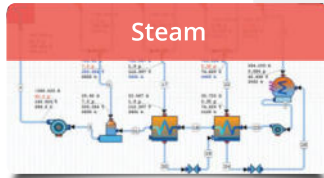
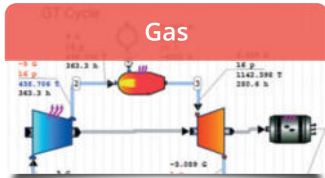


# AxCYCLE™

Thermodynamic Cycle Design and Analysis

## Simulate numerous types of cycles:



## Features

- Simulate numerous types of cycles including gas, steam, ORC, combined, refrigeration, fuel cell, rocket, and more
- Create cycle diagrams through our component library. Each component has connection points for fluid flow, thermal, electrical, and mechanical ports
- Run heat balance modeling simulations with only a small subset of component parameters
- Generate printer-friendly simulation results
- Calculate cycle maps to study the effects of different operating conditions and component parameters on the cycle performance. AxCYCLE™ also provides a special multi-run map option to calculate such relations
- Embedded P-H and T-S diagrams
- Estimate power plant equipment cost and conduct investment analysis of plant construction
- Simplify your process using an understandable Excel interface

# AxSTREAM NET™

Thermal-Fluid System Modeling and Analysis

## AxSTREAM NET™

- Simulates secondary flows and heat transfer at steady and unsteady (transient) conditions
- Allows users to create an infinite number of systems and sub-systems of solid structures, convection components, and fluid path elements
- Users have access to a library consisting of embedded components and can also create their own elements and formulations
- Offers flexible representation of fluid path and solid structure as a set of 1D elements, which can be connected to each other to form a thermal-fluid network
- Has a number of applications including secondary flow systems present in gas turbines, steam turbines, and turbopumps, industrial gas systems and ventilation systems as well as thermal management of generators, electro-motors, fuel cells, etc.

## Applications

