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TESS Software's Logical Structure

TESS software has a state-of-the-art modular structure, and is built of models (especially of individual engineering entities and processes as well as abstractions), services (which provide resources, functions, or data as needed), and messages that communicate between them.

Figure 2 breaks down some important parts of TESS's modular structure, and provides a better idea of TESS's scope.

Simulation Optimization and Future Adaptability

TESS is highly scalable and is designed to accommodate future turboexpander sizing and selection requirements. The database is structured to incorporate "old/test data to improve prediction accuracy; it is possible to combine actual test performance data with component characteristics with simulation algorithms to optimize TESS's simulations.

TESS not only facilitates today's Turbosystem designs but