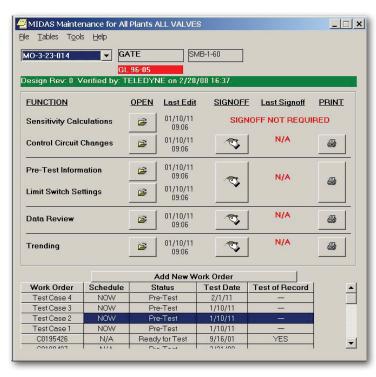
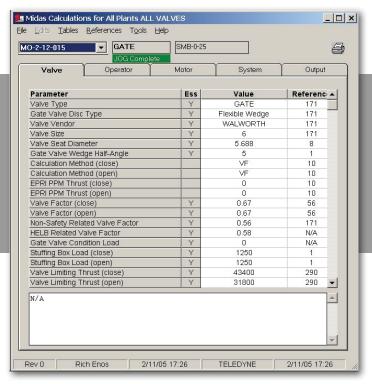


MOV Design & Test Database Software Midas & Midastest

MIDAS MOV Design Software



MIDASTEST MOV Test Software



Teledyne Test Services, together with our clients, have developed the most comprehensive MOV Design (MIDAS) and Test (MIDASTEST) Databases available to the industry for utility MOV program control.

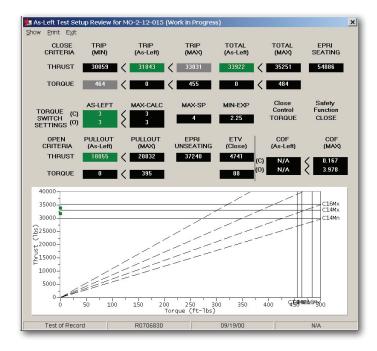
Many utilities, including Exelon, Entergy, NMC, Progress Energy, First Energy, FPL, PSE&G, and PPL have contracted with TTS to implement this software at their sites.

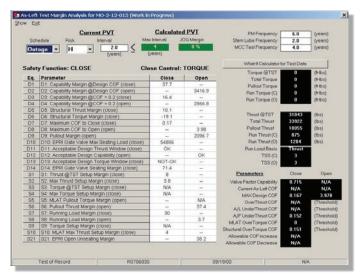
MIDAS and MIDASTEST software are developed, maintained and documented using software Quality procedures developed by Teledyne. MIDAS and MIDASTEST are delivered with a Certificate of Conformance attesting to this fact.

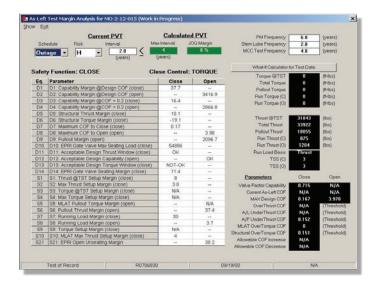
Teledyne has developed a client/server implementation for MIDAS and MIDASTEST. This allows for a single installation on a server for the entire utility, including all remote sites. Teledyne provides an unlimited usage license for the entire utility.

See white paper 'Utility-wide MOV Database Software Implementation' for an example.

MOV Design & Test Database Software

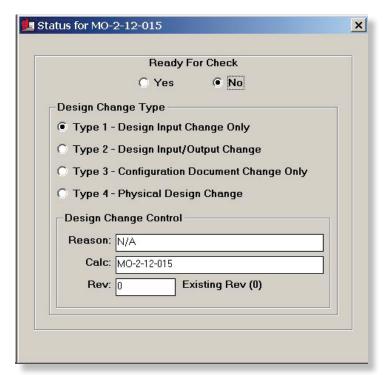




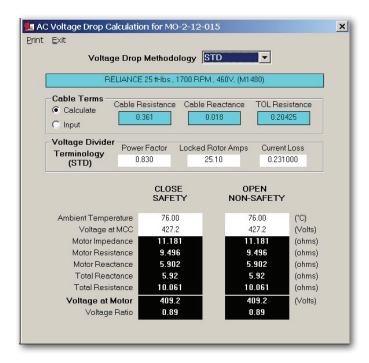


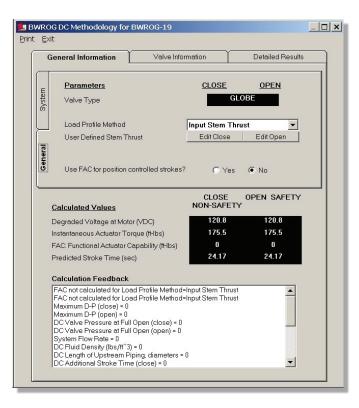
MIDAS is the primary MOV engineering tool for a utility. It provides:

- Thrust/torque set-up window criteria
- Design margins, setup margins, and stem COF analysis
- PVT margin and interval analysis
- What-if margin analysis
- Configuration control
- Stem nut wear methodology
- Powerful export to Excel reporting tool
- Global parameter evaluating tool



MOV Design & Test Database Software

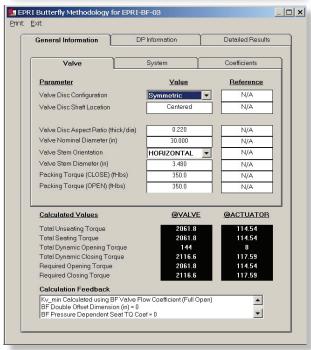




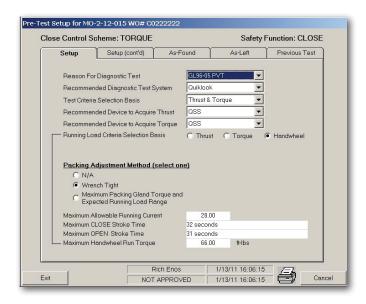
Other MIDAS technical capabilities include:

- Voltage drop analysis using ComED or voltage divider methods
- AC motor torque analysis using ComED, Limitorque, or Rotork methods
- DC motor torque analysis and stroke time analysis using BWROG methodology
- EPRI butterfly torque methodology
- EPRI unwedging analysis for gate valves
- JOG Classification and CAI Rating using JOG methodology
- Pressure Locking analysis using ComED methodology (WOG)



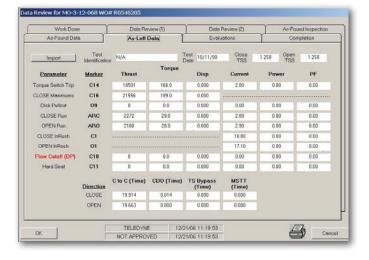


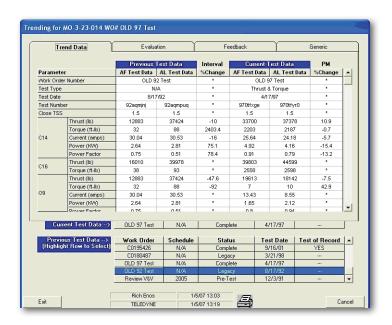
MOV Design & Test Database Software



MIDASTEST is the primary MOV maintenance tool for a utility. It provides:

- MOV diagnostic test preparation
- Powerful export to Excel reporting tool
- Diagnostic test and PM data review





- Comparison of as-found to as-left performance
- MOV data analysis and trending
- Direct import of as-found and as-left test data and results

