Eighth Annual QUIKLOOK **Users Group Meeting** 

> Marion, MA August 20 & 21st, 2014

> Eric Solla **QUIKLOOK Product Manager**







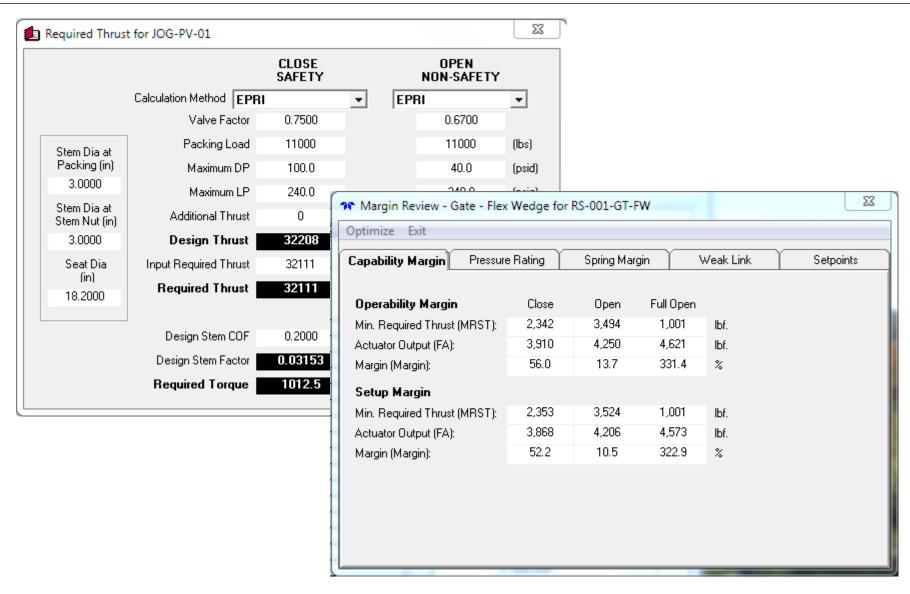


### Valve Design Engine

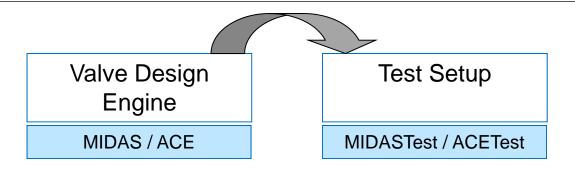
#### MIDAS / ACE

- Valve Design is Created
- JOG Class & Test Frequencies Determined
- Min & Max Required Thrust calculated
- Min & Max Required Torque calculated
- Design Margins Calculated



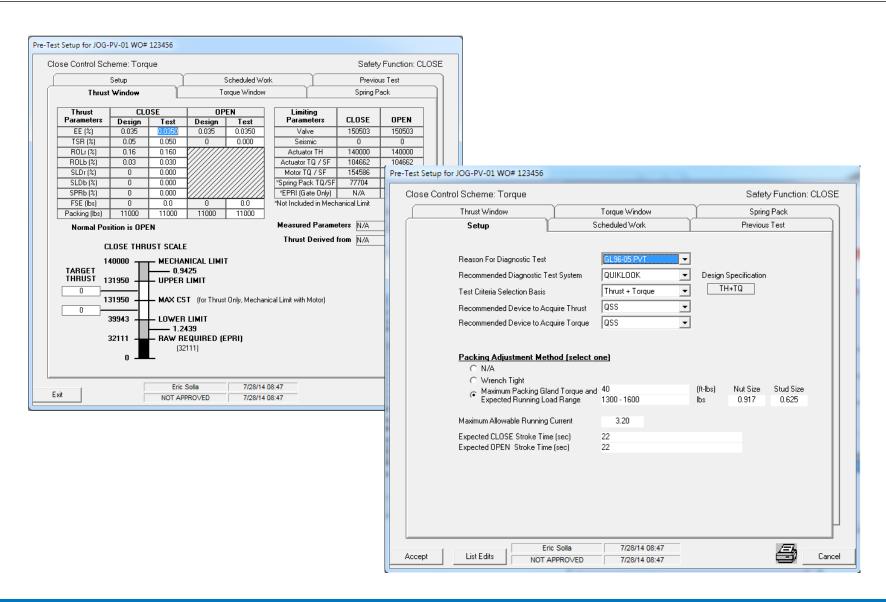




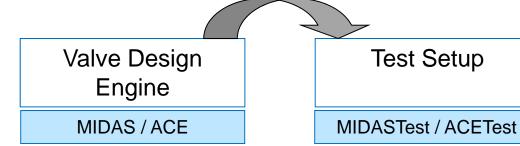


- Valve Data imported from Midas / ACE
- Setup Window Defined
  - Thrust / Torque Target Values
  - Running Load Target
  - Max Stroke Times
- Test Requirements Defined
- Control Circuit Changes
- Limit Switch Settings







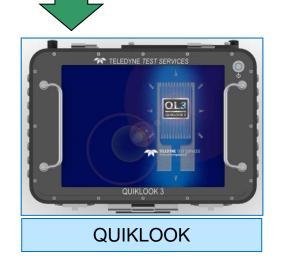


#### Configuration

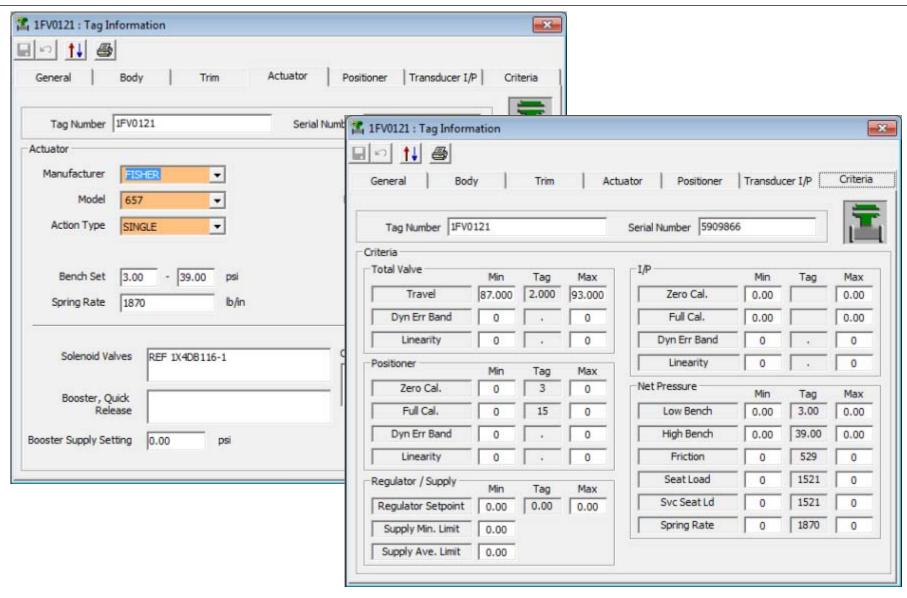
- Design Information imported
- Criteria imported
- Calc Signoff imported
- Data cannot be changed without removing signoffs

#### **Test Results**

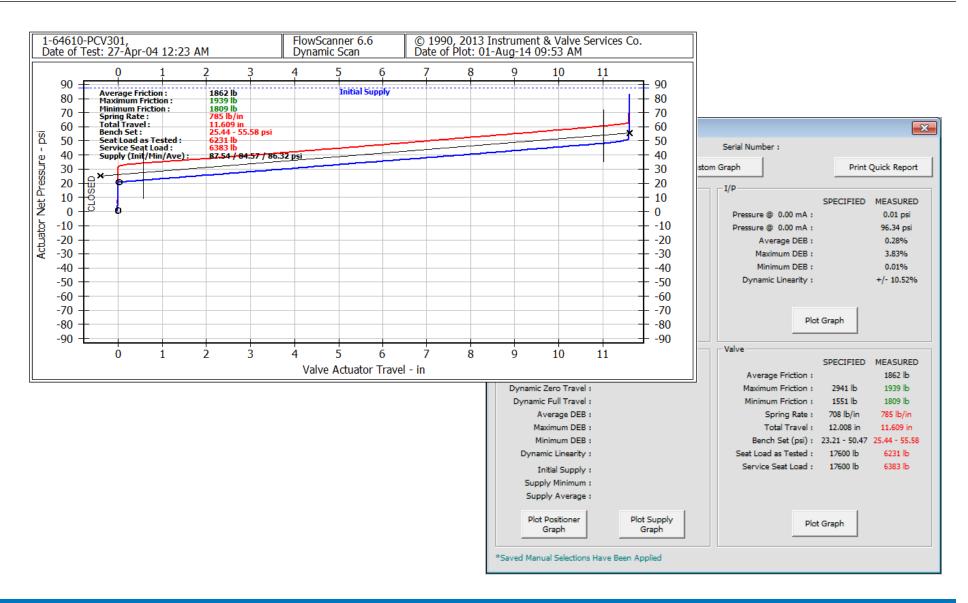
- Criteria Evaluated
- Stem Factor & COF Evaluated
- Running Loads Evaluated















MIDAS / ACE

Test Setup

MIDASTest / ACETest

- Test Results Imported from Quiklook
- Test Results Evaluated
- Margins Evaluated
- Stem Factor & COF Evaluated
- Running Loads Evaluated
- Trending



QUIKLOOK

Test Analysis

MIDASTest / ACETest





ost-Test Evaluation for JOG-PV-01 WO# 1	23456				
As-Found Data Work Done	As-Left Data Sensor Review	Evaluations Data Review			
Actual Diagnostic Test System Actual Device to Acquire Thrust Actual Device to Acquire Torque	PreTest Assumption   N/A				
Stem Factor Analysis   Stem Factor Error   Stem Factor Error   As-found   As-Left	Unadjusted   As-Found   As-Left   As-Found   As-Left   As-Found   As-Left   As-Found   As-Left   As-Found   As-Found	0			
			JOG-PV-01 WO# 123456 k Done d Data	Sensor Review As-Left Data	Data Review  Evaluations
OV	Eric Solla 7/28/14 08:47  T APPROVED 7/28/14 08:47	Parameter C14 UNDER TH C16 OVER THRI O9 OVER THRI O9 OVER THRI C14 OVER THRI RUN THRUST H STEM FACTOR STEM WEAR TI Evaluation Notes	UST ST S		
		ОК	Eric Solla NOT APPROVED	7/28/14 08:47 7/28/14 08:47	Cancel



Valve Design Engine

MIDAS / ACE

Test Setup

MIDASTest / ACETest

- As-Left Test Results Imported
- Margins Evaluated
- Criteria Evaluated
- PVT Calculated



Valve Design Engine

MIDAS / ACE

**Test Analysis** 

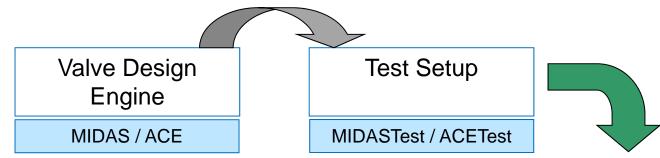
MIDASTest / ACETest











Advantages of an Integrated Suite

- Data is all transferred electronically
- Reduces setup time
- Eliminates errors due to reentry of data
- Data transfers include signoffs and are traceable back to source
- Test Criteria Clearly Defined



**QUIKLOOK** 

Valve Design Engine

MIDAS / ACE

**Test Analysis** 

MIDASTest / ACETest



# Any Questions?

**THANK YOU** 



