

NCREE Statement of Work

May 1, 2013

Company Information:

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The starting date for on-site work to commence at the NCREE test facility in Taipei, Taiwan is tentatively set for June 17, 2013 through June 29, 2013.

Deliverables:

1. System support for software modifications to the MATS machine and the 469D Shaking table controller and to answer specific operational problems.
 - Detailed investigation and resolution of the 469D and MATS control problem lists.
 - Test of new software additions for proper operation.
 - Training of NCREE personnel in the use of new features of the systems control software.
 - Detailed training of change procedure for the Longitudinal configuration of the MATS machine.
2. Investigation of the diesel pump system and electric structural pump system for operation problems.
 - Test of the diesel pumping system for sufficient supercharge pressure even during high demand on the Structural pump system.
 - Test of the new parts (poppet valve) for the Diesel #1 Pump dump manifold to verify that previous by-pass problems of Diesel Pump #1 are solved.
 - Check electrical connection of the oil contamination sensor.
 - Discuss with NCREE possible solutions to current balance problem on the electric pumps. Software/hardware modifications would be made on a subsequent trip.

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The first week's efforts shall include the following objectives:

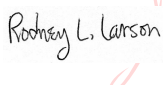
- Investigate all items on the Problem List for the 469D and MATS control systems.
- Testing of all software modifications to the 469D and MATS control systems.
- Verify that the new configuration change software for the MATS machine performs as intended and produces proper results.
- Check electrical connection of the oil contamination sensor.
- Start discussions about current balance controls for the electrical pumps.
- It is expected that major testing of pumping systems will not be possible in the first week due to time required to install/repair parts required.

The second week's efforts will include the following objectives:

- Training of NCREE personnel on the new software additions to the 469D and MATS control systems.
- Verify the configuration change software changes for the MATS machine with NCREE operation personnel.
- Test of Diesel Pumping system for improved performance of dump valve by-pass problem and for sufficient supercharge pressure.
- Finish a work plan for the current balanced control system updates.

Rates/Payment Terms:

Payments	Amount	When
Airfare + Hotel	(work with MTS Travel Representative) \$150 Charge for 2 days per diem	Billed after successful completion of deliverables
Deliverable 1 (week 1)	\$4080 + per diem for 6-day work week	Billed after successful completion of deliverables
Deliverable 2 (week 2)	\$4080 + per diem for 6-day work week	Billed after successful completion of deliverables

Presented by:  Digitally signed by RodneySignature
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Rodney Larson, FEC LLC

Submitted by: _____
Dennis Harvey, PE