

PEI MERCURY & CHEMICAL SERVICES GROUP

| & Strategic Alliance Partner CS Catalyst Services

PRESS RELEASE | Cape Town, South Africa | 29 November 2015



PEI's Mercury and Chemical Services Group (MCS) are excited to announce that through a Memorandum of Understanding have formed a strategic alliance with CS Catalyst Services (CS) based in South Africa to provide comprehensive mercury management services throughout Africa beginning in 2016. PEI and CS see Africa as a growth market and will be co-developing business in South Africa and North Africa (Tunisia, Egypt, Algeria, Morocco) and other oil and gas producing markets throughout the continent. Many encouraging trends reinforce our decision to establish a base of operations in South Africa including positive developments in LNG and unconventional reservoirs which includes shale gas and oil, tight reservoirs and CBM. Even with the new energy supply and demand paradigm there is a growing emphasis in investing in new technologies for existing and new hydrocarbon processing assets. The MCS will be deploying two state-of-the-art Mak2™ mercury sampling and monitoring systems to South Africa for mercury assessment and mapping studies to support ongoing exploration and production activities and onshore hydrocarbon processing.

The new alliance combines PEI's specialty hydrocarbon processing experience and mercury sampling/chemical decontamination solutions with CS's best-of-class

SERVICES:

Mercury Chemical Cleaning and Decontamination (Process Systems & Equipment)

Pipeline Chemical Pigging, Flushing, and Decontamination

Mercury Area and Personnel Occupational Exposure Monitoring

Mercury Scale, Sludge, Waste Minimization and Management

Hg Sampling and Analysis of Process Streams Using Advanced Mak2™ Sampling Systems and Methods

Hg Natural Gas / Process Stream / NGLs Sampling, Analysis and Mapping

Hg Mass Balance & Mass Flux Studies for Pipeline Systems, Process Platforms, Natural Gas Plants, NGL Plants, LNG Process Trains and Refineries

Hg Well Interventions Management / Decontamination of Downhole Equipment

Production Platform Mercury Decontamination

Cryo-Separation Equip. Inspection, Modeling

Hg Absorption Bed Catalyst Removal / Replacement

ISO Container Mercury Verification and Decontamination

Industrial Gases Mercury Sampling and Analysis

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catalyst handling and industrial services. Having a base of operations with CS in South Africa provides the alliance with strategic advantages including understanding the various different African business cultures. PEI and CS look forward to continuing to support our global clients from this new base of operations with our specialty toxic metals and mercury services including: 1) hydrocarbon process stream sampling/analysis, 2) mercury distribution and partitioning studies, 3) mercury chemical decontamination and 4) spent chemistries and condensates processing (waste minimization).

As a leader in mercury sampling and analysis technology, PEI, has developed a unique approach to understanding mercury mass flux, loading and distribution in hydrocarbon processing systems to develop mercury management programs, specialized hydrocarbon and mercury chemical decontamination solutions, and turnaround waste minimization/processing chemicals and technologies. A key focus of the alliance is to share that technology and approach with CS and the hydrocarbon processing industry throughout Africa. The MCS is looking forward to providing our specialized mercury and chemical services and continuing to develop and improve mercury process stream sampling and chemical decontamination technologies in support of the exploration/production, midstream, LNG and downstream processing sectors throughout Africa.



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