



## News Release

---

Date: 22 June 2009

### **Fluid mixture calculations made easy for process industries as TUV NEL launches enhanced software solution**

Leading international technology services organisation TUV NEL has today launched a new version of their PPDS (Physical Properties Data Service) Thermoserver software. This powerful tool leads industry in cost effectiveness by providing engineers with the latest technology in fluid mixture calculations

The new V4.1.1 software version, developed by the Oil, Gas and Chemicals division of the TUV NEL's East Kilbride operation in Scotland, hosts a number of improved features to meet customer demands.

Engineers and scientists worldwide currently use TUV NEL's renowned PPDS thermophysical software toolkit to help solve problems in plant design and operation. By reporting uncertainty estimates and quality codes along with the actual calculated values, PPDS gives added confidence to process calculations and traceability. The new inverse search capability is an innovative way of finding substances which meet up to five user-specified criteria for ranges of physical properties.

This new version will provide a significant increase in operational efficiency. At a time when industries are fighting to meet the challenges of recession, the time savings achieved will give companies that extra edge over their competition.

According to Andy Johns, Senior Consultant at TUV NEL, "Using the new PPDS software in a major Joint Industrial Project enabled us to calculate volume correction factors for crude oil with greater accuracy.

"The UK's recently announced commitment to renewable sources of energy, carbon capture, and reduction in greenhouse gas emissions poses an opportunity for a wider range of calculations. The upgraded version of PPDS has the ability to model pseudo components for petroleum and biofuel applications.

"Furthermore, the new version boasts a unique high-accuracy equation of state package for CO<sub>2</sub> and other components such as methane, which play an important role in environmental modelling", says Andy.

The new version also interfaces seamlessly with other specialist computer-aided design software packages using the international open standard for computer aided process engineering (CAPE-OPEN), thus helping to greatly reduce calculation time. Organisations using the latest version of the software will benefit from streamlining their workflow as different applications can now speak directly to each other.

The new version of PPDS software is updated to work in sync with Microsoft's Office Excel 2007 as well as previous applications. First time users will receive a free 30 day trial on request and will thereby realise the benefits of this flexible tool.

For further information on the PPDS Thermoserver, visit [www.ppds.co.uk](http://www.ppds.co.uk).

-ends-

- ENDS-



**Editors Note:**

**About PPDS:** The hallmark of a PPDS database system is the combination of its reliability and practicality. It is designed to provide reliable data for engineers involved in the chemical, petrochemical and process industry, enabling them to calculate and predict the physical properties of fluid mixtures at all stages of the process life cycle – from design through operation to retrofitting, maintenance to decommissioning.

**About TUV NEL:** TUV NEL is a leading international technology services organisation. With a successful track record of more than five decades delivering world class innovative solutions to difficult problems we provide services, solutions and technology to clients across many industries including oil & gas, government, manufacturing, renewable and sustainable energy on a local and a global basis. It is part of the TÜV SÜD Group, the leading international service organisation. With over 13,000 employees, it is represented worldwide at more than 600 locations.