

Honeywell

UniSim Design™ CAPE-OPEN Compliance

CO-LaN Annual General Meeting
Cannes, France
March 8-10, 2006

Presented By:
Ensheng Zhao & Murugesh Palanisamy
Honeywell Inc.

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Agenda

Demonstration of UniSim Design UnitOp CAPE-OPEN Socket 1.0 with gPROMS CO Unit Operation

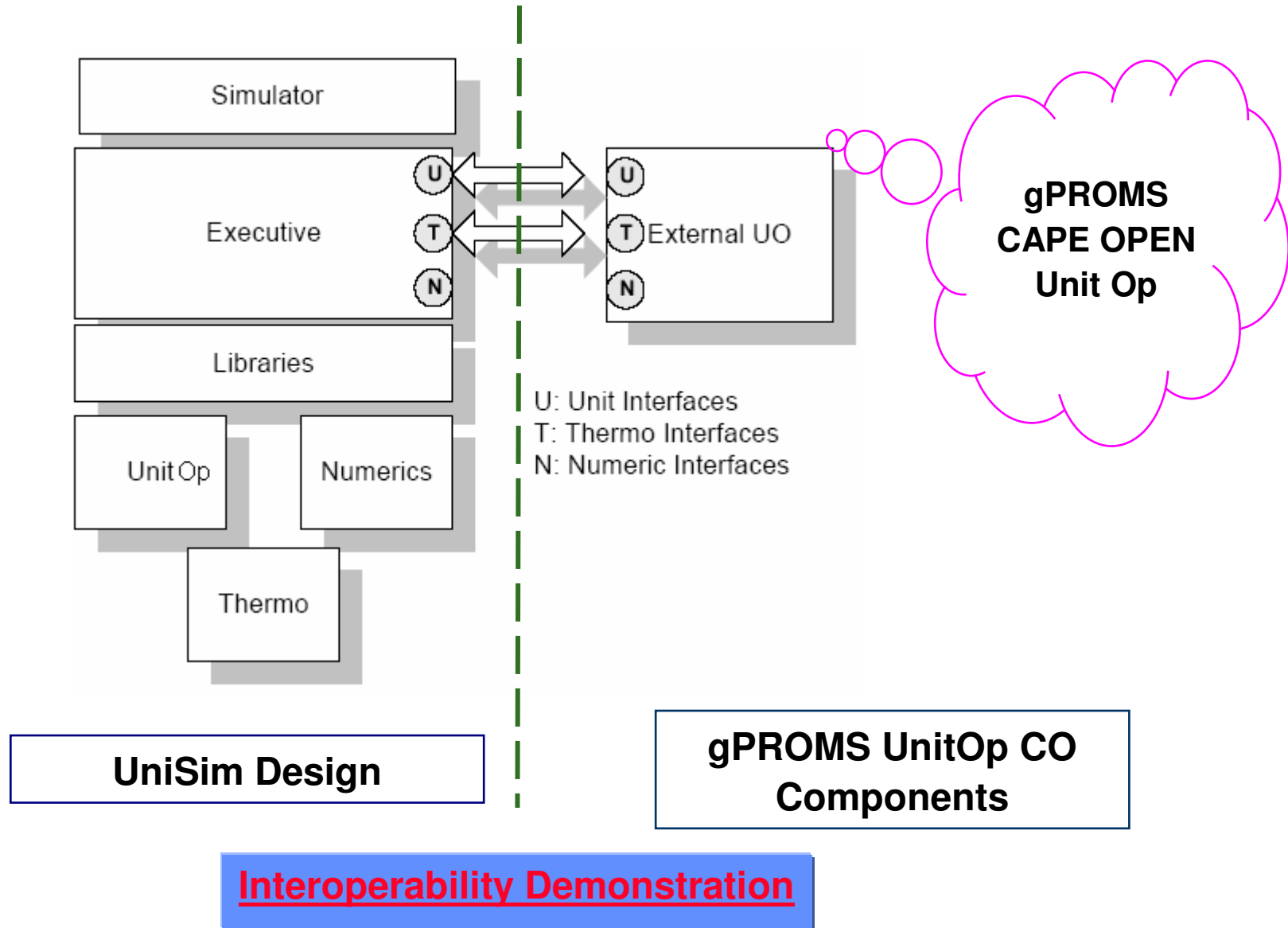
Demonstration of UniSim Design UnitOp CAPE-OPEN Socket 1.0 with HTRI CO Unit Operation

Demonstration of UniSim Design Thermo CAPE-OPEN Socket 1.0 with InfoChem Multiflash CO thermodynamic property package

Future Plan for CAPE-OPEN Compliance

UniSim Design UnitOp CAPE-OPEN Socket 1.0

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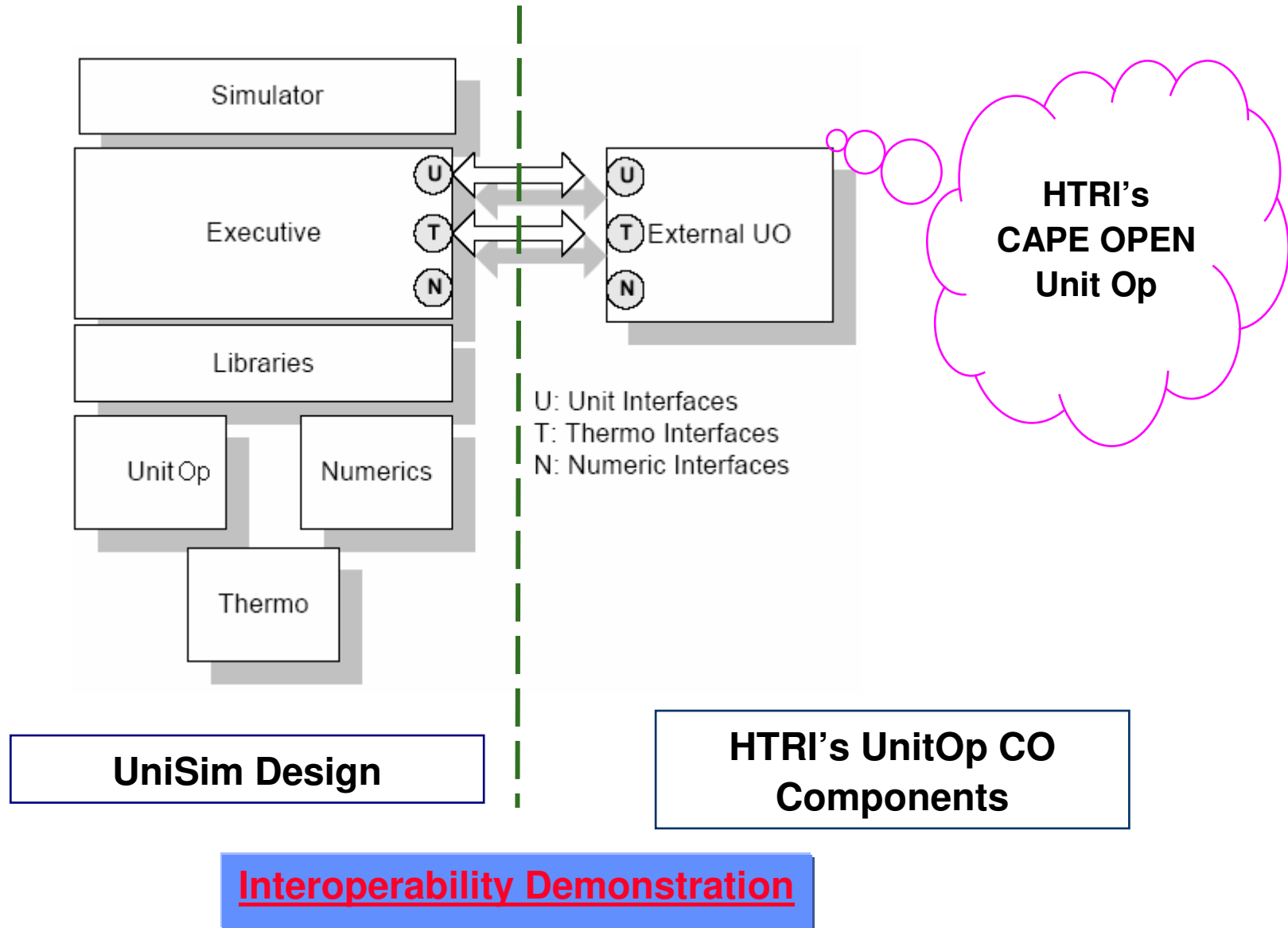
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UniSim Design UnitOp CAPE-OPEN Socket 1.0



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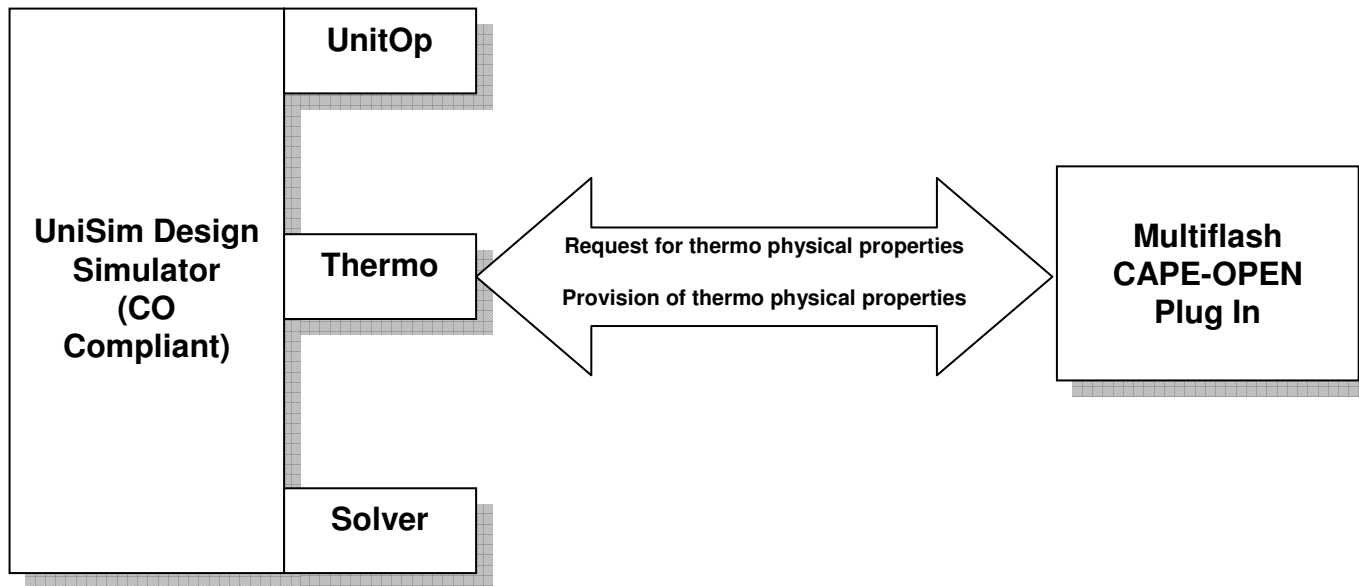
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Future Plan for CAPE-OPEN Compliance

UniSim Design Thermo CAPE-OPEN Socket 1.0

UniSim Design Thermo CAPE-OPEN Socket 1.0 is based on CAPE-OPEN standard interface version 1.0



Interoperability Demonstration

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Future Plan for CAPE-OPEN Compliance

Future Plans for CAPE-OPEN Compliance

Short Term

- **Completion of CAPE-OPEN Thermo Interface Version 1.1**
- **Actively involve with Refinery Reactors SIG activities**

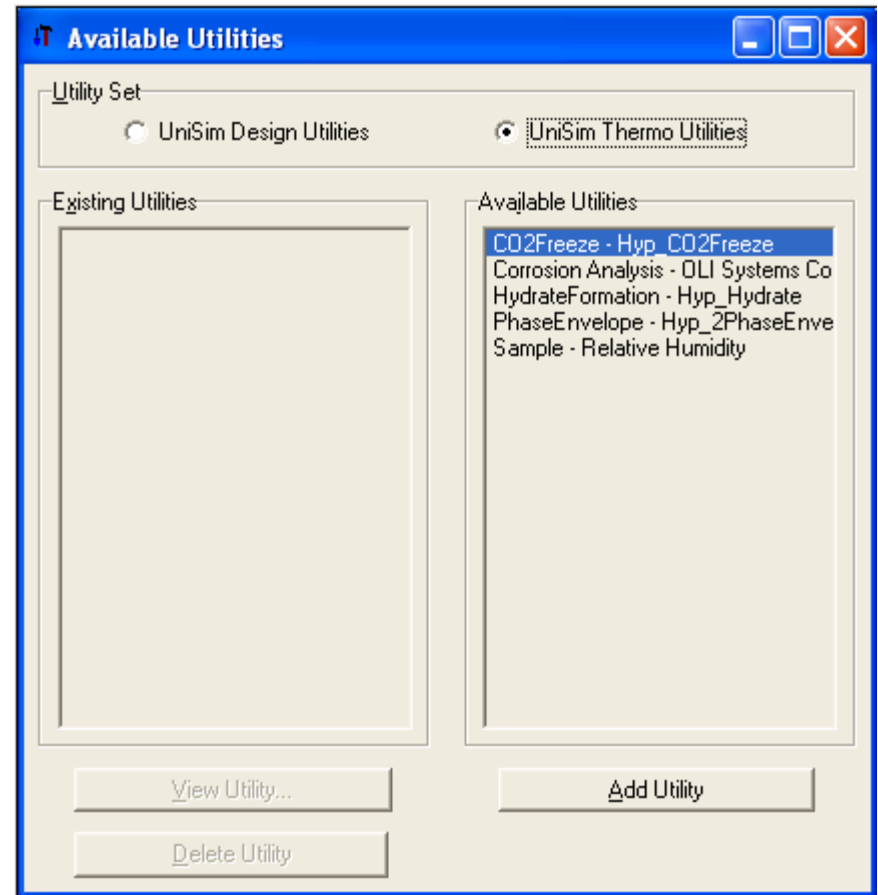
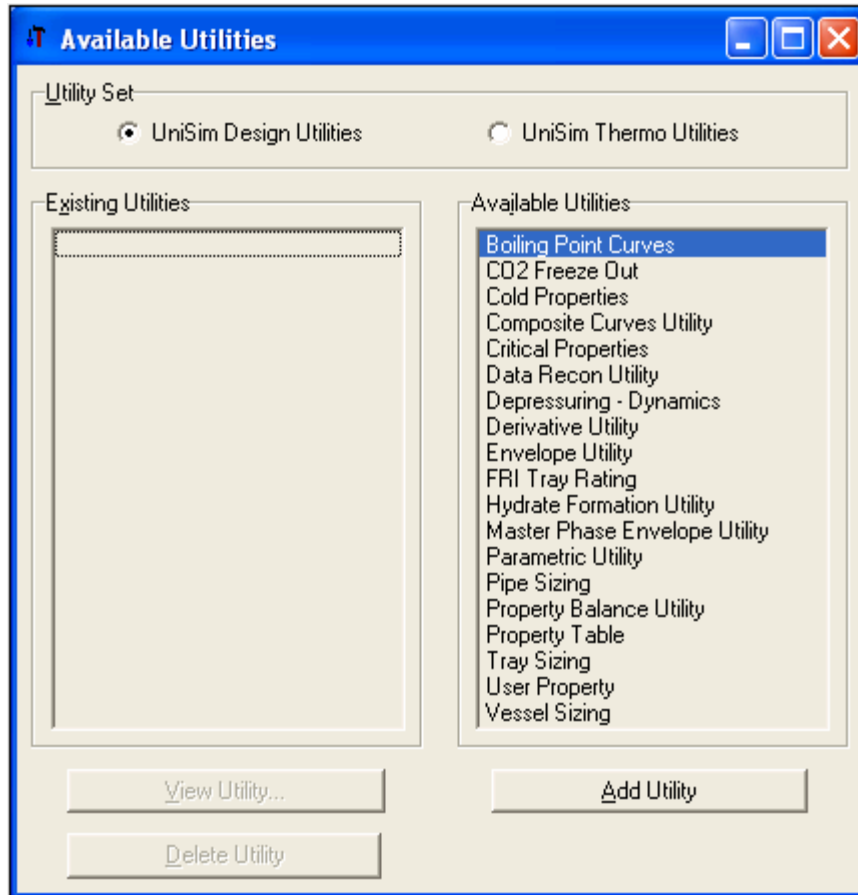
Mid Term

- **CAPE-OPEN layer to plug in dynamic unit operations object into UniSim Design**

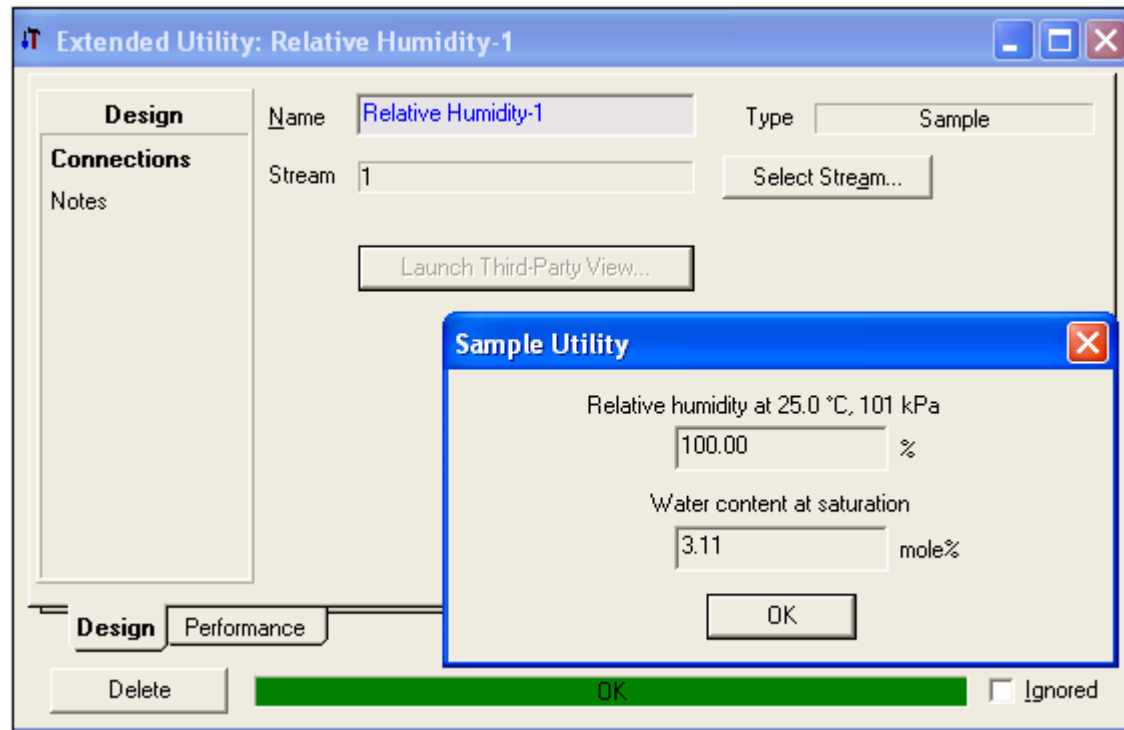
Suggestions

- **Developing CAPE-OPEN interface standard for plugging thermodynamic utilities into flow sheeting simulators**
- **Honeywell is willing to lead the SIG**

UniSim Utilities



Extended Utility : Sample



Questions ?

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