



## HTRI Masterclass.

**Consultant/Trainer:** Bert Boxma.

In this course the trainer will explain the world-class software module Xist from HTRI in live sessions. Xist can handle the design/rating of shell & tube, hairpin and jacketed pipe geometries.

### Participants

This Petrogenium course can be tailored for awareness/inexperienced staff, for intermediate and for experienced personnel. Furthermore the course can be customized for a specific refinery, plant or unit. The option for post-course consultancy/help-desk support is also available.

This Masterclass is very suitable for novice users of HTRI software including process and mechanical engineers who like to work more often with heat exchanger simulation software.

Attendees may have their own HTRI software installed or request HTRI for a month free trial Xist software.

### Programme

We start with examples of single phase followed by condensation, reboiling and tube vibration. How to set up a rating case starting from scratch. Going through the input fields step-by-step to run your heat exchanger model. What input and output matters? After a successful run we will evaluate the results as presented by HTRI in data, graphs and drawings.

Training will enable you to in make your own tube lay-out with different pass arrangements including bundle impingement protection, sealing devices, tie-rod locations and bundle runners. During the course it is possible to generate actual plant simulations so the output results can directly be used and modifications can be implemented. Training examples will be used to broaden design skills. Each session will be closed with a Quiz.

It is to be advised to run the Masterclass HTRI together with other Masterclasses such as:

- Single Phase
- Mean Temperature Difference
- Condensation
- Boiling
- Vibration
- Fouling
- Enhanced Heat Transfer & Trouble Shooting
- Sulphur Condensers and WHB

These other Masterclasses contain essential theoretical and practical detail in order to perform a proper evaluation of HTRI results.

### Contact

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