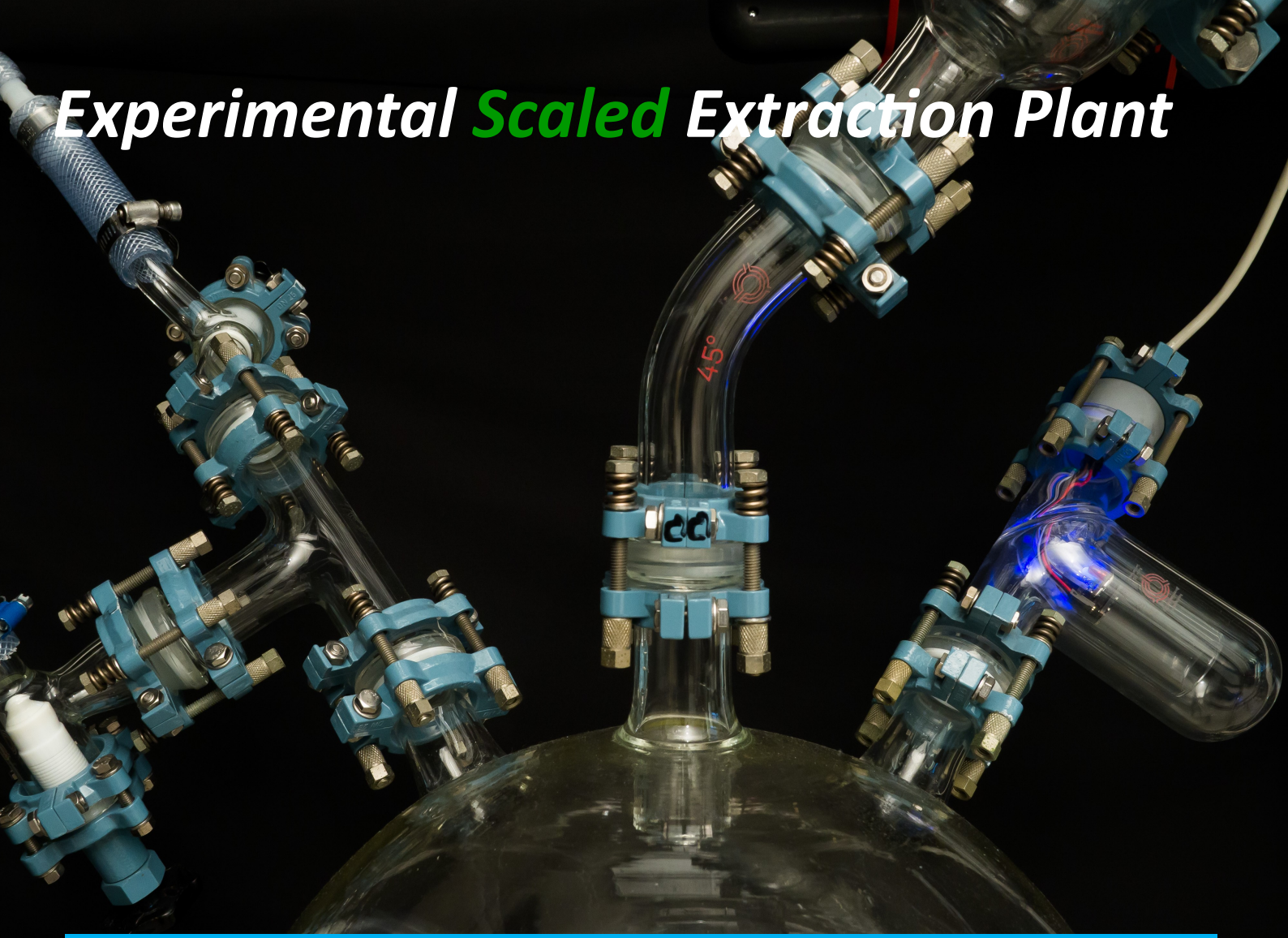
Experimental Scaled Extraction Plant



The Experimental Scaled Extraction Plant enables fully sensor and computer controlled (pilot) extraction.

Now available at the Fytagoras laboratories: a computerized and sensor controlled Experimental Scaled Extraction Plant in combination with mathematical modelling of the complete extraction process.

Extrapolation of data (and models) from laboratory to industrial scale is a very risky procedure and can be costly when it goes wrong. Therefore, intermediate scale processing plants that are supported by clear mathematical interpretations are crucial for validated research aiming at extraction process optimization and innovation.

A computerized and sensor controlled Experimental Scaled Extraction Plant (ESEP) is now available at the Fytagoras laboratories. Real time data collection of all relevant processing parameters are combined with on-line use of mathematical models. This will result in better understanding, control and optimization with respect to innovation and upscaling to industrial plants. Additionally, the ESEP can be used for medium scaled batch extractions of herbal plants for production purposes.

"Scaling up or improving the performance of industrial extraction units by a sensor controlled system, combined with mathematical modelling"

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