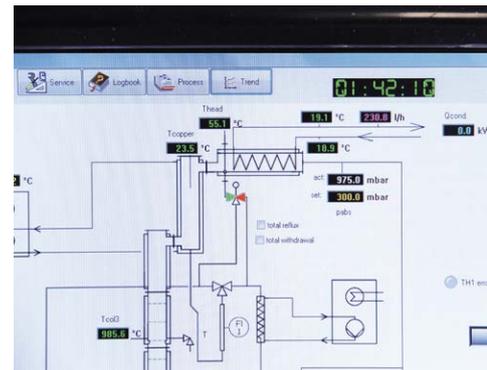
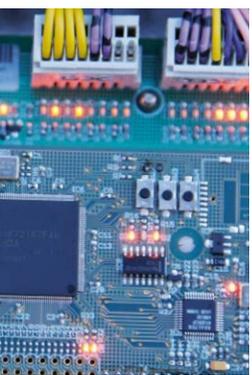




The ultimate in  
its purest form.



Your requirements are  
our challenges.



ILUDEST Distillation tailor-made.  
A concept with a future.

# For us, there is only one goal. To satisfy your needs and aspirations.

Because your requirements determine our approach. Every ILUDEST system is a unique high-end product that precisely meets the specific concepts of our customers and turns challenges into solutions.

We have been established in the global market as experts in thermal process technology since 1990. Our systems are used in research, development and production in the chemical, pharmaceutical and food industries and in biochemistry. Other areas of application include teaching and training in vocational establishments, colleges and universities.

## We will plan, configure and produce the following for you:

**Distillation/rectification systems** for the production and recovery of ultrapure solvents

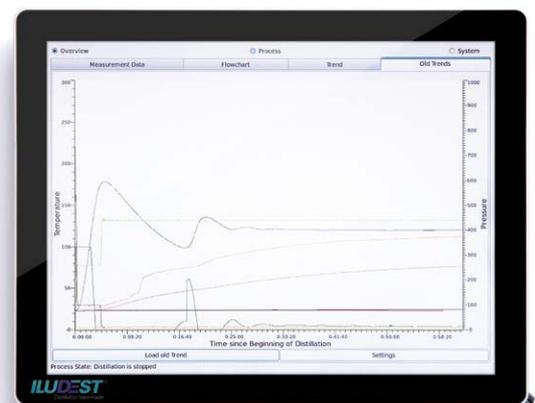
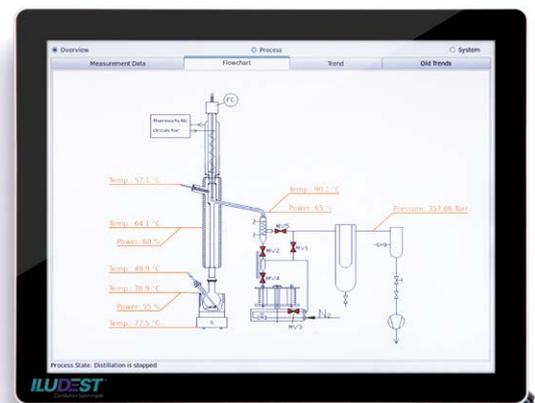
**Training systems and pilot systems** such as

- Distillation/rectification systems
- Thin film and flash evaporators
- Extraction, reaction, absorption, desorption and special systems

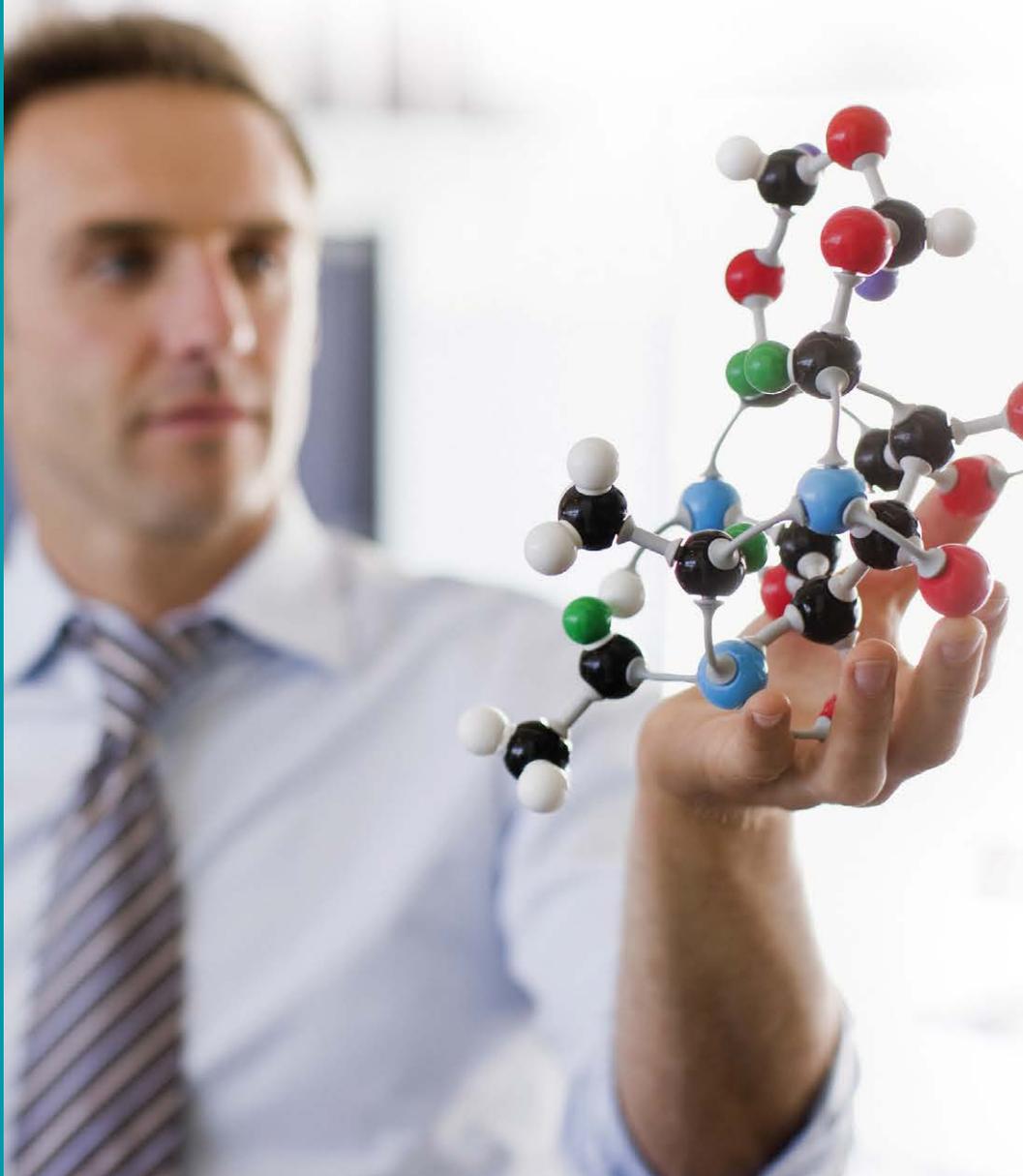
## Control systems

- Microprocessor-supported control systems for the individual tasks of a distillation system
- Microprocessor-supported complete solutions for manual and/or automatic operation
- PC-supported control units with virtually unlimited possibilities for manual and/or automatic operation
- User-friendly hardware and software designed and produced in-house

**Your challenge guides us to the perfect solution.**



The absolute purity of your distillate speaks for itself.



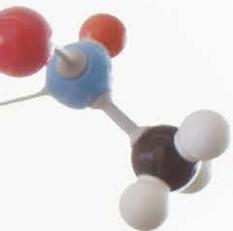
# There is only one way there. Expertise born of experience.

Distillation is a highly specialised separation technology that requires extensive experience, technical know-how and professional advice. We develop individual solutions for the majority of our customers, which is why the advice we offer them is highly personal and tailored to the requirements of the relevant sector. The process starts with in-depth discussions with our engineers – a dialogue from us to you and from you to us. This forms the basis for the planning and implementation of the concept, during which you will see our professional expertise for yourself.

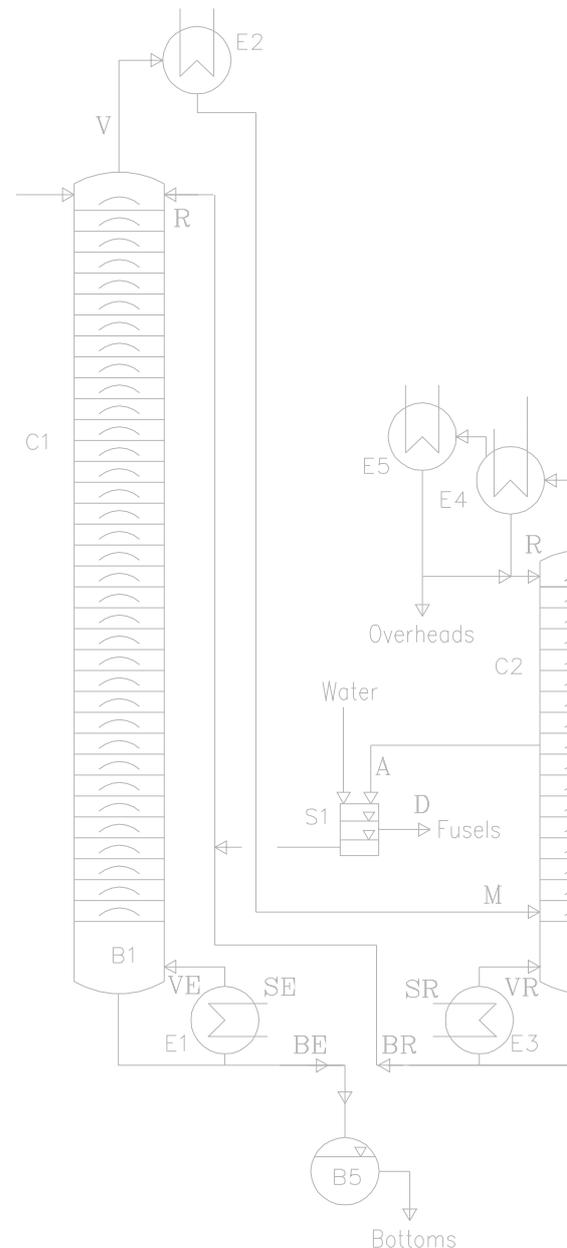
The innovatory skills of our team are demonstrated by the development of a membrane separator that splits water from azeotropic mixtures.

We satisfy all the requirements and objectives of distillation on a laboratory and pilot scale, such as:

- Highest flexibility and quality
- Rationality and precision
- Integration into existing processes
- Simple scale-up
- Expansion capabilities for the future
- Easy handling
- Compliance with international industrial standards
- High-quality individual components
- Reasonable price/performance ratio



The spectrum of our distillation systems varies from internal diameters of 10 to 700 mm and from capacities of 100 millilitres a day to 100 litres an hour. They are designed for the rectification of solvents, flavouring agents and acids, CHCs and petroleum fractions. Heteroazeotrope or with carrier steam. In operating temperatures from 40 to 350° Celsius and pressures from “atmospheric” to 10<sup>-3</sup> mbar. We make systems that come into direct contact with the product from glass, stainless steel, graphite, enamel or special materials.





# The essence of quality must be inclusive and integrated.

## **Safety**

Temperatures, pressure, fill levels and cooling water are monitored. Equipment such as safety shields, fire protection troughs or explosion proof systems can also be provided if required.

## **Economy**

Versatility combined with rationality. Modules that can be used, combined and adapted according to need. The automatic ILUDEST system requires no monitoring and saves time and expense.

## **User-friendliness**

Convenient control electronics from high-tech modules, simple to operate.

## **High separating capacity**

## **Optimum adaptability**

## **Short lead times and adherence to delivery dates**

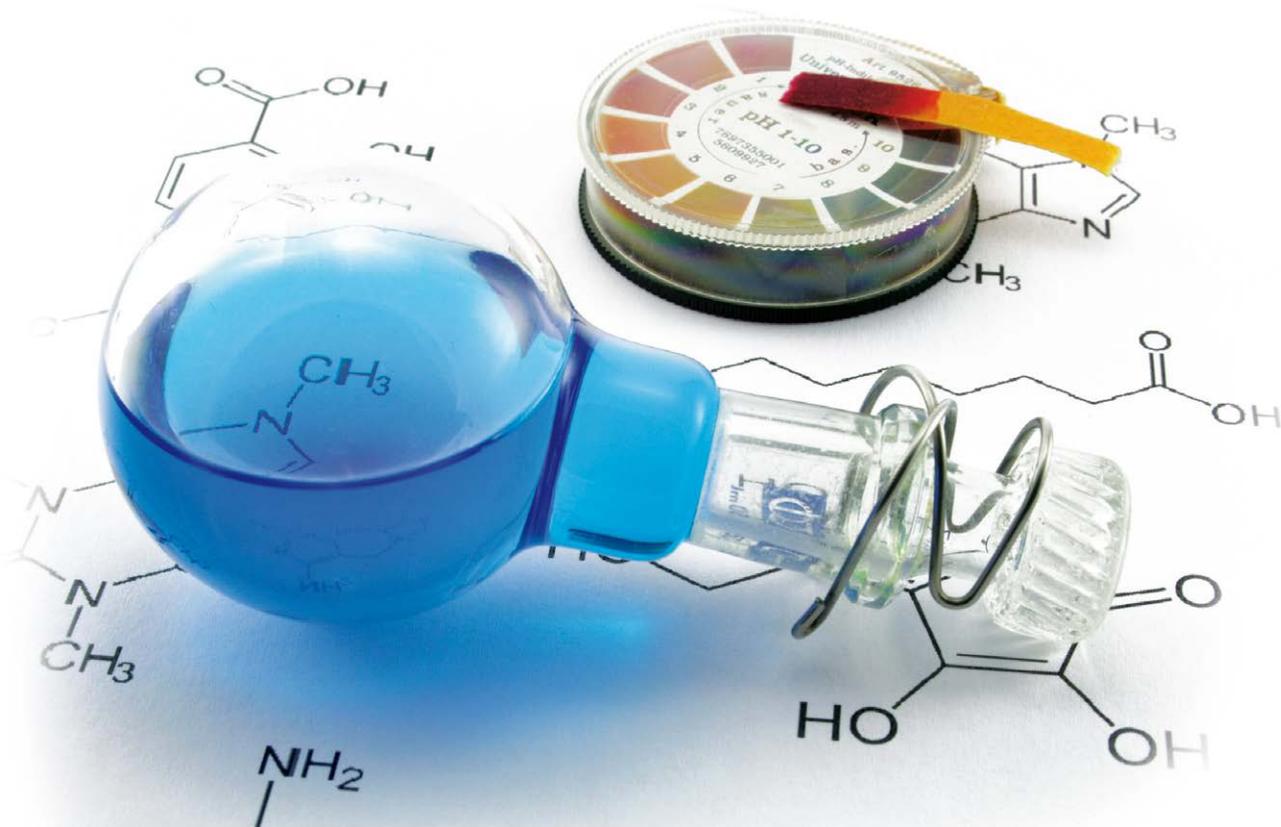
## **Turnkey handover**

## **Reliable after-sales support for the entire lifespan of your system**

Come and visit our offices to discuss your individual project requirements with us. We will find the optimum solution for you too.

**Individual, flexible, competent.**

We set special standards for this purpose. **Standards set by us!**





ILUDEST Destillationsanlagen GmbH  
Dachdeckerstr. 1  
97297 Waldbüttelbrunn  
Germany

Tel.: +49 [0] 931-49 70 90  
Fax: +49 [0] 931-40 42 099  
E-mail: [info@iludest.de](mailto:info@iludest.de)  
[www.iludest.de](http://www.iludest.de)

**ILUDEST**<sup>®</sup>  
*Distillation tailor-made*