

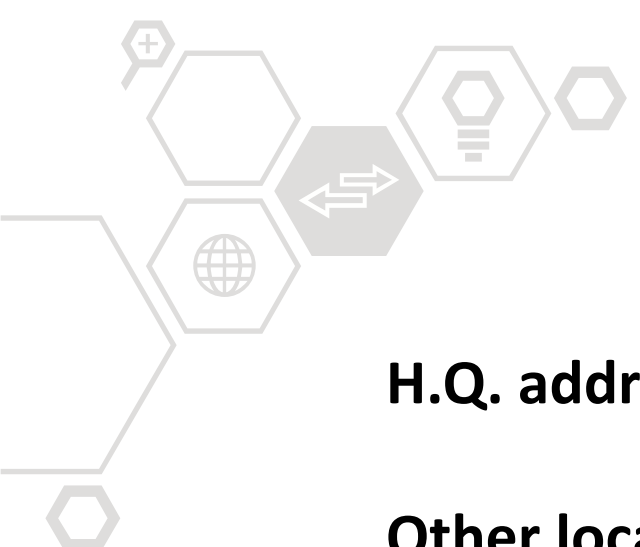
Smart Designs, Dynamic Systems Since 1979 your partner



**SMART
DEVELOPMENT
SOLUTIONS**

SDS Company Details

Locations & Names



H.Q. address : Apeldoorn, the Netherlands

Other locations

- Production : Assen, the Netherlands
- Warehouse (EU) : Rotterdam, the Netherlands
- Warehouse (MY) : Shah Alam, Malaysia
- Regional office : Kuala Lumpur, Malaysia

Key Persons

- President : Mr Albert Pieter
- Director : Mrs Cynthia Zweep
- Production : Mr Jay Onstwedder
- Project Director : Mr Patrick Adam
- Secretary of MP : Mrs Berendina Thalea



SDS Company Details

Numbers & Partners

Year Established : 1979

Registration form : Limited (BV)

Turn-over 2015 : Euro 24,298,834.00*

Employees : 36 fte, 9 pte

Tax registration no. : NL-102529231*

Testing & QC : Lloyds Registers, Rotterdam (NL)*

Technology : TNO Delft (NL)

Accountant : KPMG, Amsterdam (NL)

Lawyer : Koers Advocaten, Mr Chris Koers, Roden (NL)



* Certificates & reports on request

SDS in the Years

History

- 1979 Founded by Mr Albert Pieter (b. 1947), location Veendam (NL)
- 1981 Patent Application for Ultra Double Drilling System for NAM/SHELL
- 1983 World Record Speedbike, driver: Bert Smit (Stadskanaal)
- 1989 World Champion Superkart, driver Perry Grondstra (Groningen)
- 1991 Patent Pilot Plant Animal Acid Feed (Wildervank)
- 1994 New production facility in Roden (NL)
- 2003 Patent Fire Fighting UNCON system (Rotterdam)
- 2004 New warehouse facility in Rotterdam (NL), 1,800m²
- 2005 Patent Mini Lab Scale Plants Modules (Utrecht)
- 2006 Second generation taken over management
- 2007 New production facility in Assen (NL), 9,500m²
- 2014 New head office in Apeldoorn (NL)
- 2015 Revolution in Fire Fighting SCOLE system been tested/approved
- 2016 New regional office in Kuala Lumpur (MY)



SDS Customers Overview



When we changed from 1 to 2 years warranty our competitors copied us. Therefore as we believe in our quality 2+5years



Location Apeldoorn, the Netherlands

Head Office



For directions please visit:
www.sds-gruppe.com



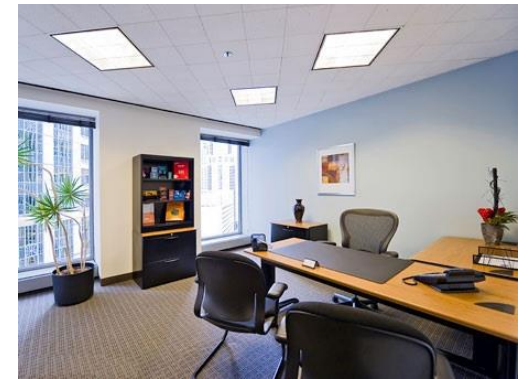
Location Kuala Lumpur, Malaysia

Regional Office Asia



For directions please visit:
www.sds-gruppe.com

NEW SINCE JANUARY 2016
Including Training Centre!



Location Assen, the Netherlands

Production, design & testing



For directions please visit:
www.sds-gruppe.com



SDS Close Up

Assen, Production & testing



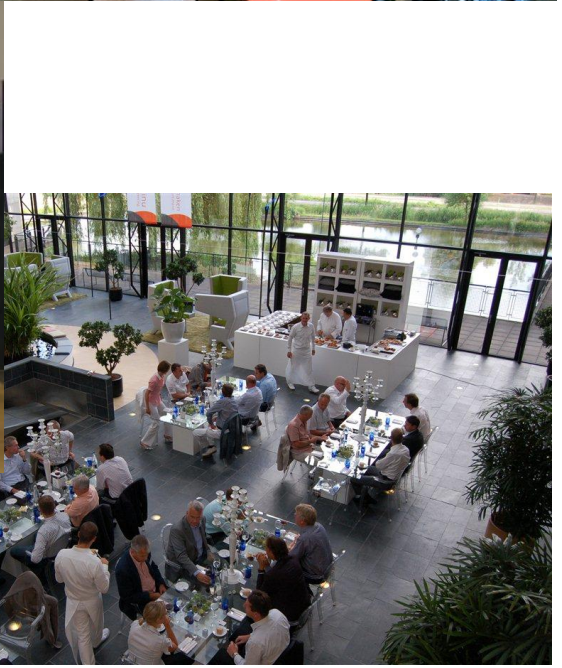
SDS Close Up

Rotterdam (NL), Warehouse



SDS Close Up

Assen (NL), Yearly event "Open Day"



Info
Open Day SDS Factory Success

Nederlands/Dutch:
In traditie SDS heeft ook dit jaar weer een open dag georganiseerd voor onze klanten, leveranciers, burea, maar voor al voor de families van onze werknemers. Dit om alles te bekijken, voelen en ruiken waar ons team zit elke dag weer inzet.

Wederom was ook dit jaar weer de Produktieweg in Assen volbeladen met auto dat we zelfs een shuttle hebben ingezet om onze 320 gasten te verwelkomen.

Graag zien we u volgend jaar (weer)!!

English/Engels:
In tradition SDS was organizing also this year an open day for our clients, suppliers, neighbors but above all the families of our employees. To see, feel and smell the environment our team is working day in and day out.

For one day it was a SDS day at the Produktieweg in Assen as the approx. 320 guest parked their cars far from the entrance that a shuttle was arranged.

See you next year!

If you wish a copy of the pictures made of the open day please sent an email to: info@sds-gruppe.com

SMART DEVELOPMENT SOLUTIONS

Head Office Address:
Het Rietveld 55A
7321 CT Apeldoorn
Netherlands
E: info@sds-gruppe.com

Pic. Produktieweg, Assen (NL)

SDS New Letters

Sign Up at www.sds-gruppe.com



Announcement New SDS-MTS Service Center

The managements of SDS - Smart Development Solutions and their partner in Asia MTS - Mechanical Training Solution have signed an agreement for the period of minimum 5+5 years to work together and join their strengths for the Asian markets.

For this reason we are proud to announce to you our high tech service center in Kuala Lumpur, Malaysia. In the heart of the High Tech Hub Kuala Lumpur Sentral.

There has been signed a lease contract for a period of 5 years with world largest office, IT technology and smart office provider RGS.

Within our facility we have state-of-the-art training and presentation rooms but also one-to-one training rooms with SMART technology equipment.

Our service number for the Asian Region will be +603 2092 9347 or by e-mail frontoffice@sds-gruppe.com



Kuala Lumpur (KL) Sentral Location - WHY?
Kuala Lumpur (Sentral) is known as a transportation hub of KL city and as one of the designated Multimedia Super Corridor (MSC) locations. A Government designated zone, the MSC is designed to leapfrog Malaysia into the information and knowledge age. The zone aims to attract companies with tax breaks and facilities such as high speed internet and proximity to the local international airport.

Service team and warehouse - WHERE?
In March 2016 at the Hicom Bukit Jelutong area our service team will start with two full time engineer who are currently in Assen (NL) to complete their full study. Our warehouse will be 4,300sq floor size and 600sq of office.



Service Center Address:
1 Sentral, Level 16
Jalan Stesen Sentral 5
KL Sentral
50470 Kuala Lumpur (MY)

Head Office Address:
Het Rietveld
7321 CT
Netherlands

As all our locations for safety reasons we do not entertain guests. For more information please contact our duty manager Mrs Dina, tel 03-2092 9347



Info New Product SDS Pipe System Training Lab



- Experiments and learning objectives:**
- Influence of system characteristic on flow rate and operating point of the pumps
 - Measurements of pressure losses in pipe bends and in pipes of different roughness
 - Experiments on pumps, valves and fittings and pipes
 - Operating behaviour of centrifugal pumps in standalone or parallel operation
 - Determination of loss coefficients in fittings
 - Recording of opening characteristics and Kv values
 - Adjustment and maintenance on valves
 - Experiments on flow and pressure control loops
 - Recording pump characteristics
 - Determining pump efficiencies
 - Measurements of the velocity distribution in pipes
 - Visualization of the pipe flow

The interaction of the various components determines the fluidic behaviour of the overall system. The individual processes interact with each other, resulting in interactions that affect the entire system. This effect occurs in all real, industrial plants.

Studying the individual components does not reflect reality. In order to obtain comparable, objective measurement results on individual components, certain conditions must be met.

For example, certain inlet and outlet sections are required for the measurement of valve characteristics. This aspect has been taken into consideration when planning and designing the PSP experimental plant, so that objective measurement results can be achieved.

The components are matched to each other to largely minimise the mutual interaction and influence of the processes on the individual components. This means rigorous experiments from the field of fluid mechanics can be performed. The system is also ideally suited for scientific investigations.



Summarised components: Tanks, Centrifugal pumps (various diameters), Valves (gate, ball, butterfly), Level Controllers, Pressure Controllers, Pipes (various diameters), Surface Roughness, Control Valves, Control Fittings, Pipe Fittings.



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For product info go to: www.sds-gruppe.com



Open Day SDS Factory Success



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Next year!

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Pic. Produktieweg, Assen (NL)

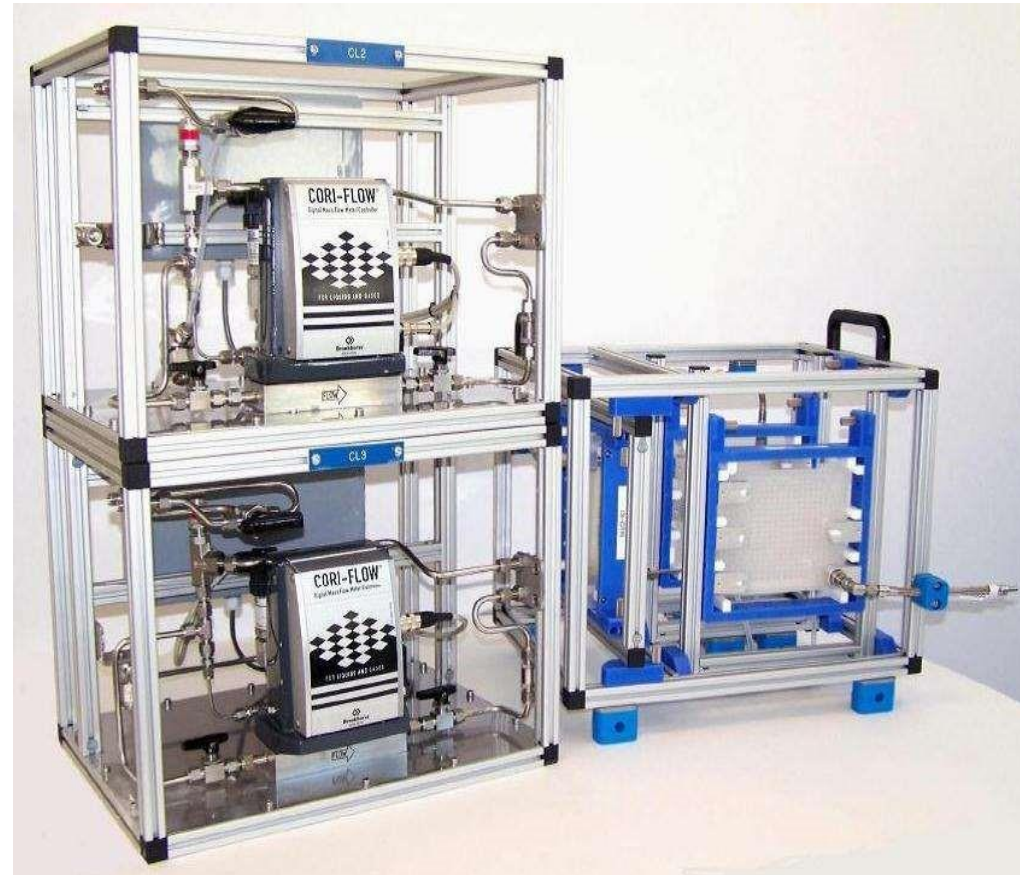


Think in the Advanced way

SDS design deady to use module for specific process:

- Distillation
- Crystallisation
- Ebuliosation
- Extraction
- Evaporation
- Fractionation
- Sorbtion
- Regenaration
- Reaction
- Gas Sweetening
- Bio-ethanol

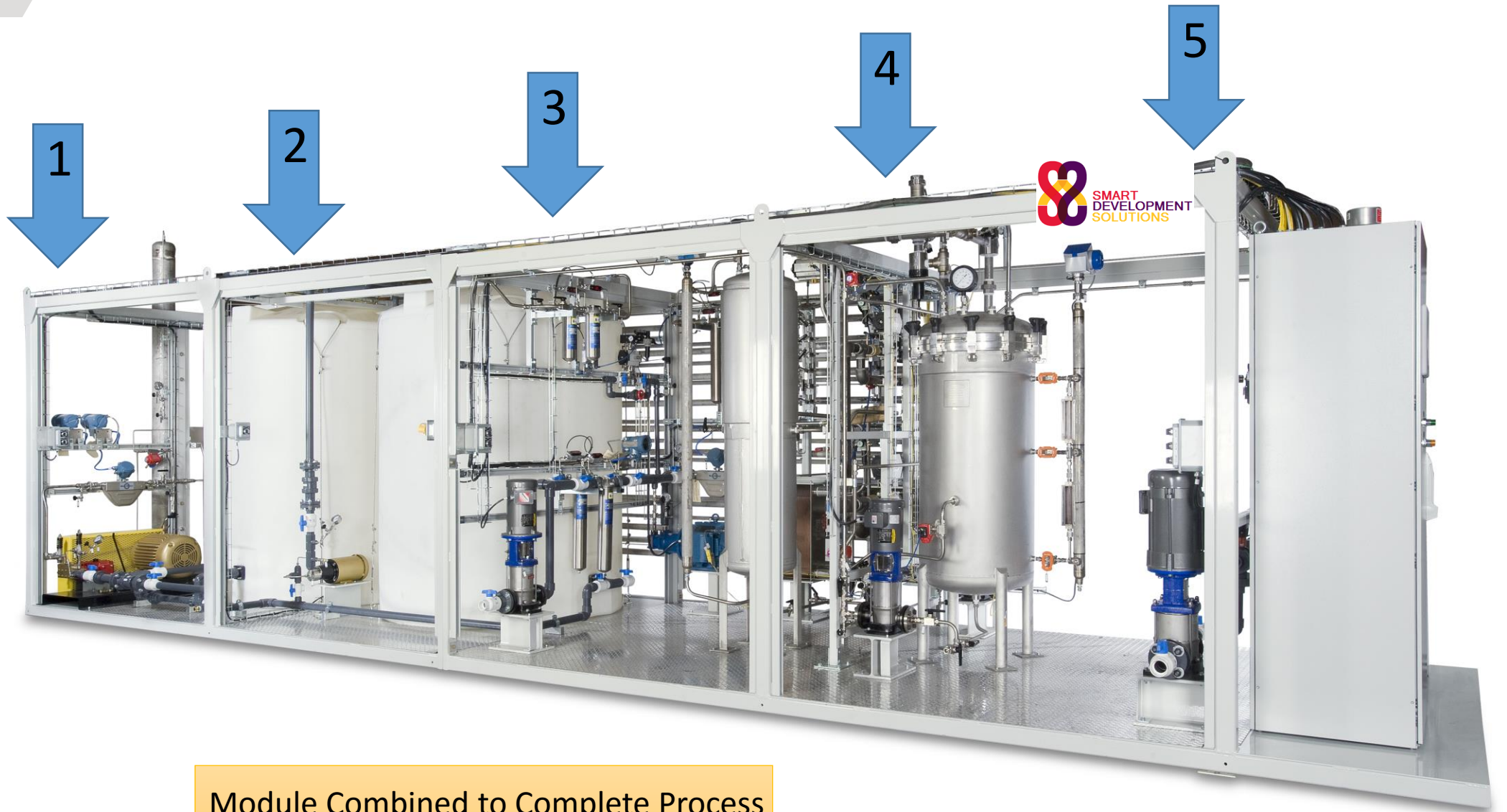
etc



From Module to Complete System



From Module to Complete System



Module Combined to Complete Process

From Module to Complete System



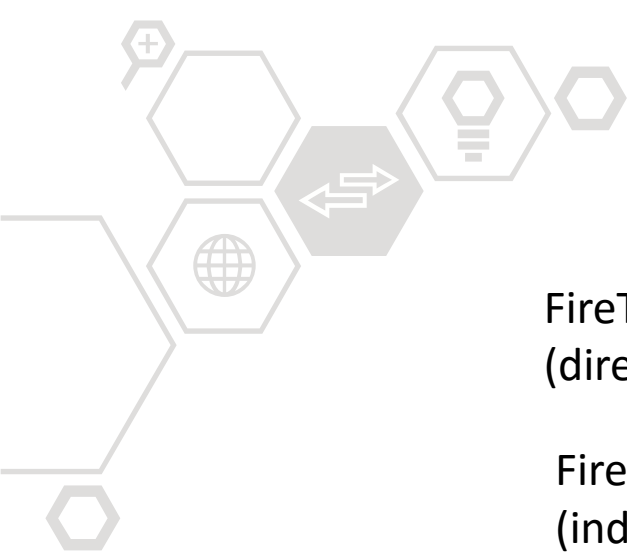
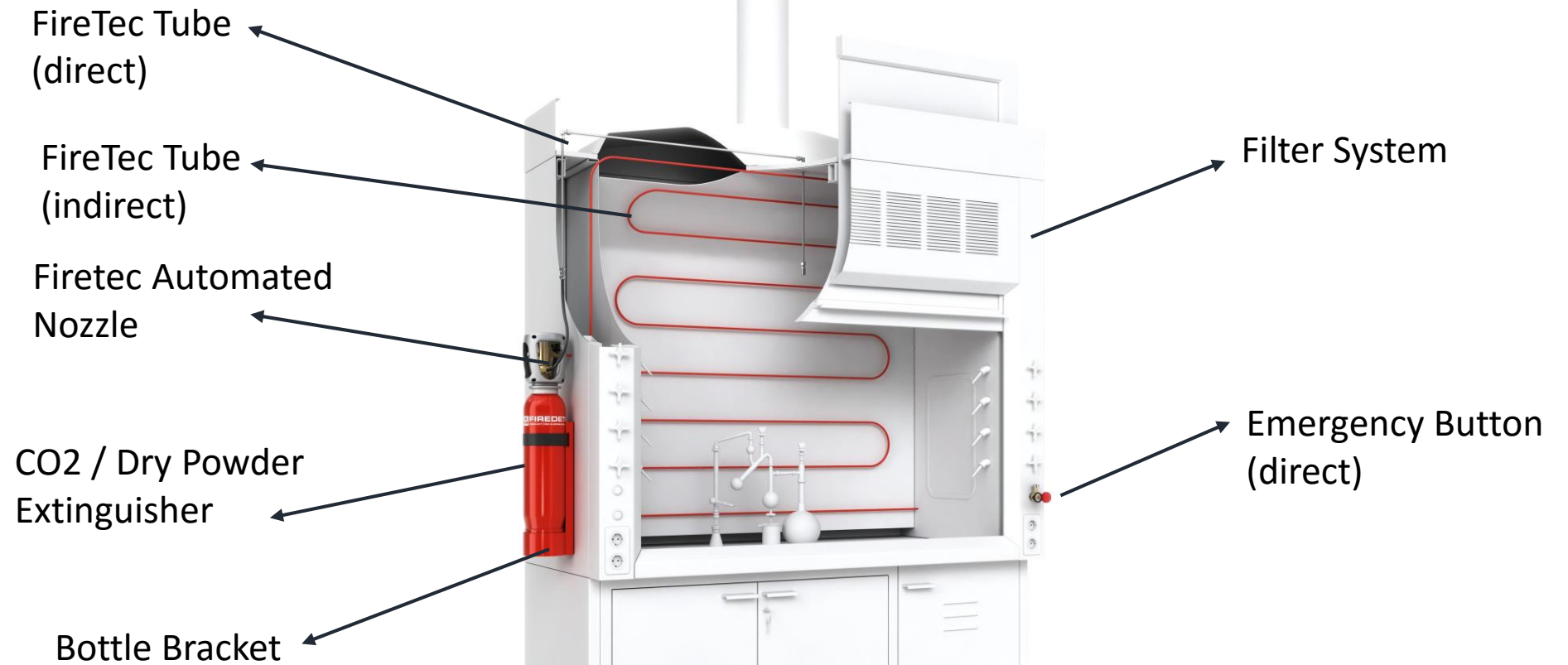
From Module to Complete System



Other project in action



Security & Fire Safety



SDS Contact Details

How to contact us

H.Q. address : Het Rietveld 55a, 7321 CT Apeldoorn, the Netherlands

Telephone No : +31 55 201 8851

Fax No : +31 55 201 8888

General Email : info@sds-gruppe.com

Sales Email : sales@sds-gruppe.com

Production Email : production@sds-gruppe.com

Warehouse Email : warehouse@sds-gruppe.com

Website : www.sds-gruppe.com

