



HUGO PETERSEN GmbH
GAS CLEANING

HUGO PETERSEN

Selection of references

Customer, Country	Location / Application	Capacity m ³ /h	Process
Fischer Recycling GmbH Germany	Zapfendorf Wood incineration	50,000 Dioxines / Furanes, Heavy metals, SO ₂ , HCl, HF, NO _x	Dry sorption, SCR
KataLeuna GmbH Germany	Leuna Chemical off-gases	12,000 Dust, NO _x	Baghouse filter, SCR
Rhodia England	Chesterfield S-Burning	55,000 SO ₂	SUPER ^{OX} -Scrubber
KNFC South Korea	Daejeon Nuclear off-gases	8,900 Uranium dust	DSA
Evonik Degussa Germany	Rheinfelden HCl-gases	100 at - 30 °C Methanol aerosols	DSA
LVM Belgium	Tessengerlo VCM-ventgases	110,000 HCl-recovery	Absorption towers

www.hugo-petersen.de

HUGO PETERSEN GmbH – a subsidiary of CAC (Chemieanlagenbau Chemnitz) – is an engineering company based in Wiesbaden. Many years of experience in plant engineering and construction, especially for sulphuric acid, hydrochloric acid and gas cleaning technology, ensure competent knowledge in a wide field of applications.

HUGO PETERSEN offers turn key plants starting with the consulting up to the start-up with commissioning. Existing plants can be reengineered and revamped.

Wide experience in project execution from EPCM to EPC for Revamp and Grass-Root-Plants

Specific characteristics

More than 60 years experience in gas cleaning

Process evaluation on own process experience

Own developed processes optimized on client needs

Technology on BAT-level (Best Available Technology)

Expressively environmental protective

Low emissions in off-gases

Low plant pressure drop

Application of proven materials of highest quality

High yield energy recovery from conversion- and absorption section

Low energy consuming technologies

Cross Border Technologies

Integrated Quality Management System (ISO 9001). Supply gas cleaning plants for chemical, metallurgical, nuclear and municipal customers.

HUGO PETERSEN developed systems:

Quenchers, Absorption Towers

Jet Scrubbers

Wet Electrostatic Precipitators

Petersen Multiventuri Systems

Petersen Pressure Drop Separator

Petersen Turbo Agglomerator

Petersen Centrifugal Agglomerator

Dry Sorption Process

Activated Coke Filter

Catalytic Gas Treatment Systems

Catalytic Reduction of NO, NO₂, N₂O (SCR-Process)

Catalytic Destruction of Dioxines, Furans and CO

Super^{OX}

Super^{CO}

HUGO PETERSEN GmbH
Industriepark Kalle-Albert, Geb. K330
Rheingaustraße 190/196, 65203 Wiesbaden, Germany
phone +49 (0) 611-962-7820 fax +49 (0) 611-962-9099
contact@hugo-petersen.de

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a subsidiary of
Chemieanlagenbau Chemnitz GmbH



ALWAYS AN IDEA AHEAD