

# SUSTAINABLE SOLUTIONS

*Industrial Ventilation & Fire Protection*







# GAL Ventilation: your air quality partner

**For over 60 years, we have been developing, planning, manufacturing and installing air handling systems for the industry with the highest quality standards.**

We built Europe's largest roof ventilator as early as 1964 and the world's largest sound-attenuated gravity roof ventilator in 1974. Call it know-how or routine, we build systems of all sizes.

Talk to GAL's specialized engineers about a customized solution. After a careful analysis of the problem, we develop the optimal concept. A goal that we have consistently followed for many years in all areas of our wide-ranging specialist fields. From the consulting in the concept phase and the inventory of existing systems, from ventilation refurbishment up to a new construction.

**Ask for economical and intelligent system concepts.  
Take advantage of our expertise.**

GAL is a company of the  
DIAG Group

**DIAG**   
Technische Gebäudeausrüstung

**DIAG** Deutsche  
Industrieanlagen



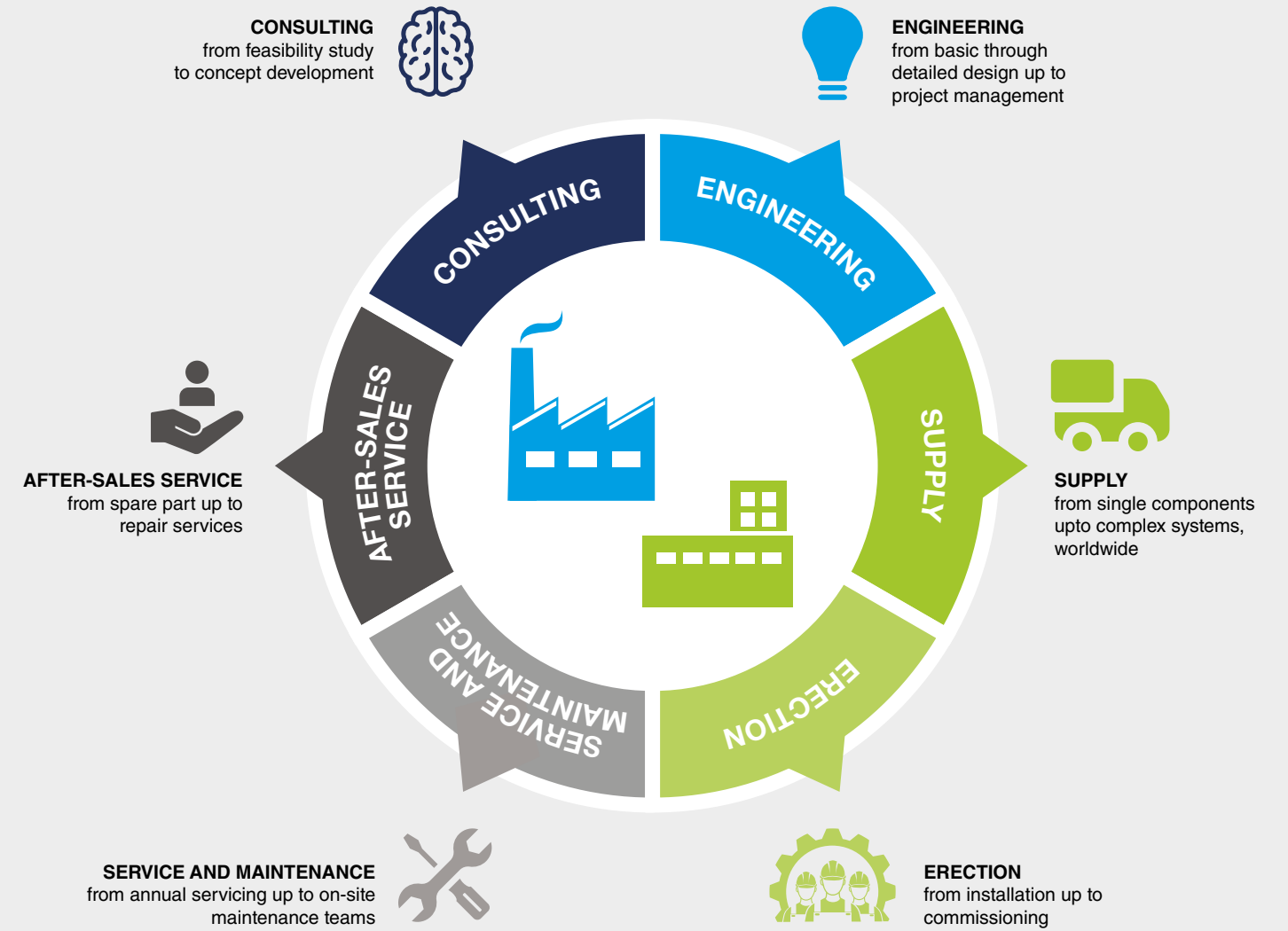
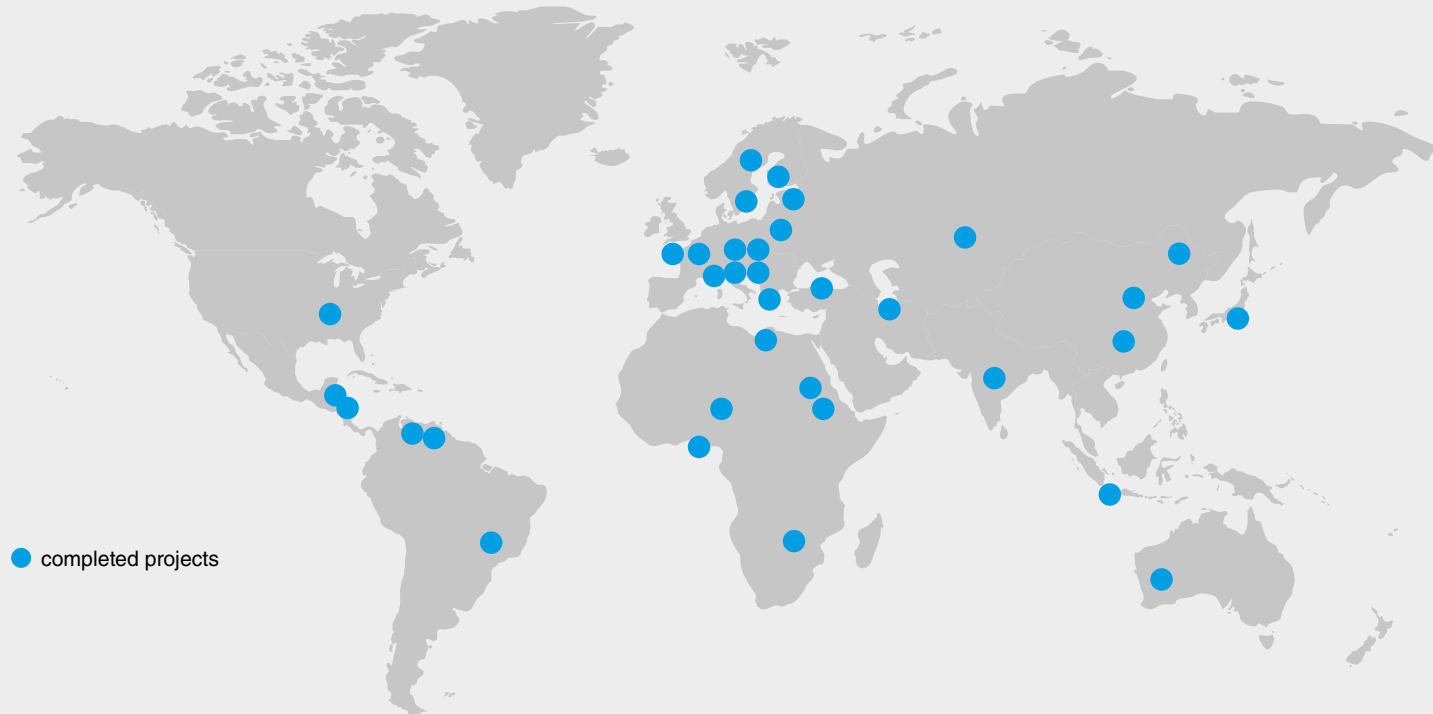
# Services

**60**

years of experience

**800**

more than eight hundred completed projects worldwide



## Comprehensive industrial ventilation solutions

At GAL, we bring decades of experience and a global track record to the table when it comes to the planning and implementing industrial ventilation systems. Our holistic approach ensures that our clients receive end-to-end support - from initial concept and engineering to execution, commissioning and ongoing maintenance.

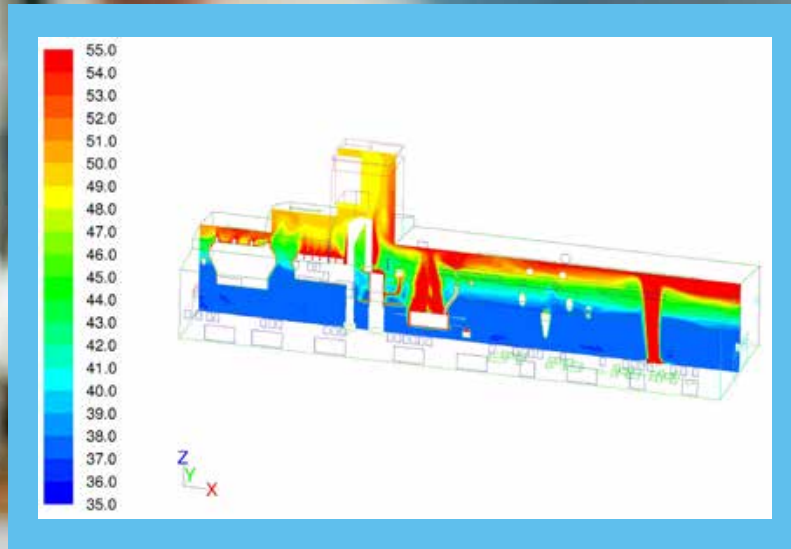
**We take it personally:** Our staff of experienced engineers, technicians and subcontractors ensures projects at the highest technical level.

**On time and on budget!**

### Our longstanding expertise is applied in the following areas:

- Natural ventilation
- Hybrid & mechanical ventilation
- Smoke and heat extraction systems according to DIN EN 12101-2
- Daylight technology
- Industrial noise control
- Pneumatics, electrical and I&C system
- Maintenance & repair services
- Steel industry & other metal production
- Flat & container glass production
- Power plant & environmental technology
- Chemical & petrochemical industry
- Manufacturing & light Industry
- Commercial properties

# Design & Engineering

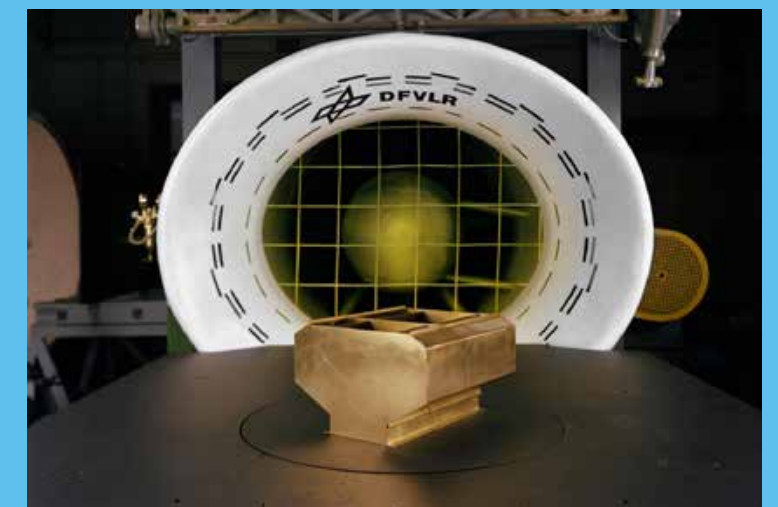


## Engineering excellence

**Our team of experts combines engineering prowess with industry knowledge.**

At GAL, we meticulously consider all relevant parameters, including maintenance-friendliness. Leveraging cutting-edge 2D and 3D CAE tools, our self-developed thermally coupled zone models, and the latest CFD methods, we design efficient natural and hybrid ventilation systems. From initial technical concepts to seamless execution, we serve as your comprehensive one-stop shop for industrial ventilation.

- Feasibility studies
- Cost estimates
- On-site analyses & measurement investigations
- Computational fluid dynamics simulation (CFD)
- System concept & detailed planning



# Ventilation

## Ventilation solutions for manufacturing facilities and heavy industry

**Whether it's controlling contaminants, managing extreme temperatures, or ensuring a comfortable workspace, our industrial ventilation systems deliver reliable performance.**

Choose from natural ventilation, hybrid or forced ventilation approaches to meet your specific needs

**Our mission? To enhance workplace conditions and contribute to environmental engineering through cutting-edge ventilation solutions.**



- Natural ventilation
- Hybrid & mechanical ventilation
- Air conditioning such as filtering & heating
- Heat recovery
- Integration of ventilation into building design or production process



## Fire protection

# Enhancing workplace safety with certified ventilation solutions

**We specialize in natural smoke and heat extraction systems compliant with DIN EN 12101-2. Our ventilation solutions serve dual purposes: daily ventilation and fire protection.**

Notably, many of our systems are certified as natural smoke and heat exhaust devices (SHEV), ensuring that fire protection requirements are met safely and in accordance with regulations.

**Our commitment to improving fire safety while optimizing production processes underscores our dedication to workplace well-being.**

- High-performance multi-purpose ventilators
- Louvered and double flap ventilators
- Low profile labyrinth style ventilators
- Fire resistant supply air louvers
- Modular SHEV control systems





## Custom solutions



## Customized solutions for your unique needs

**Do you have specific ideas that go beyond standardized products? Are your requirements not fully met by off-the-shelf solutions?**

Our experienced consultants and engineers collaborate closely with you to create tailor-made, individual solutions.

**We don't stop until every single detail fits seamlessly into your vision.**

- Gravity roof ventilators in custom designs
- Special constructions for highly corrosive environments





## Service and Maintenance

# Optimize efficiency and reliability: your maintenance partner

**We focus on optimizing maintenance and servicing expenses. Our comprehensive approach covers everything from initial inventory to complete maintenance management.**

Our well-trained service technicians are dedicated to keeping your ventilation and SHEV (Smoke and Heat Exhaust Ventilation) systems in top condition. They handle routine maintenance, functional tests, and necessary repairs.

For more demanding requirements, our parent company, DIAG, can establish an on-site service hub with 365-day availability. Your peace of mind is our priority.

**Choose GAL for efficient, dependable maintenance solutions.**

- Inspections and functional tests
- Recurring functional tests of NRWG
- Maintenance according to VDMA
- Replacements and repair services
- Maintenance and exchange of asbestos-containing fire protection dampers according to TRGS 519





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