

# Service – supply for industrial fan **applications**

**POLLRICH DLK®**  
FAN FACTORIES



- Heavy-duty industrial centrifugal fans
- Compact industrial centrifugal fans
- Axial fans
- Plug fans
- Smoke extraction fans

# Starting with the **assembly** of the new system including the supervision of the **commissioning**, to the upgrading and the **performance optimisation** of existing systems ...

Naturally, we know our own products best. Therefore, please do not hesitate to use this **expertise**: manufacturer and specialist for the complete live cycle of the system- starting with the **commissioning** report, to the generation of your individual maintenance schedule and up to the innovative product development of a succeeding product generation.

Please feel free to select from our comprehensive **range of services offered** and to place a maintenance contract with us – enhancing the focus on your own core competence.

In such a cooperation, we always keep you informed about **new technologies** and developments being of importance for the respective application.

We suggest pragmatic spare parts inventory for the short to medium term operation and submit proposals for modernisation which will increase efficiency and performance of your **existing systems**.

We make sure that an in all its intends and purposes correct spare part is delivered – also for fans which have been obtained by you from **other suppliers**.

We ensure the reliable operation of smoke and hot gas extraction systems – this is where the legislator requires maintenance and checking of the functioning at regular intervals acc. EN 12101.

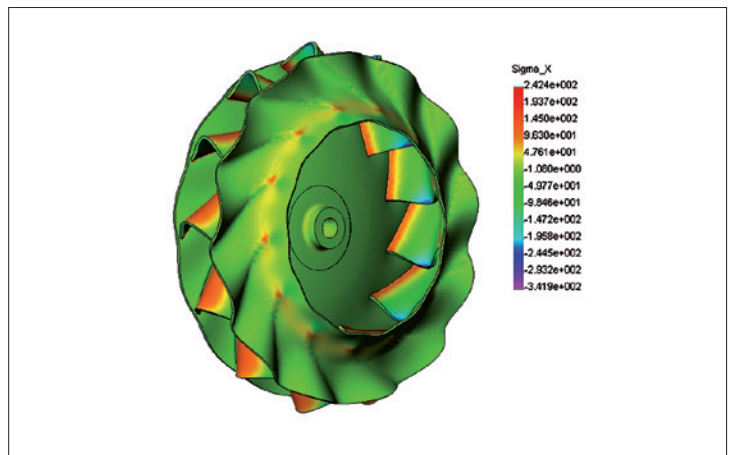
We are able to exchange parts or to modernise them within the

shortest possible time – hereby down times are reduced to a minimum.

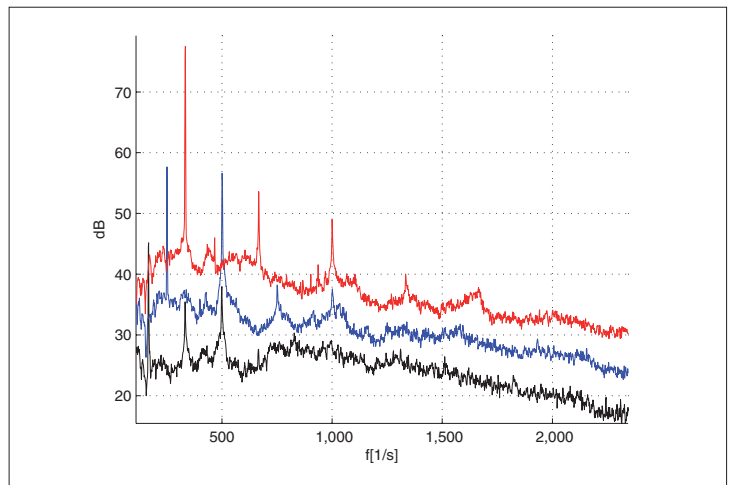
**We optimise your system configuration acc. to the latest scientific methods with the support of our own R&D department.**

- Adjustment of ventilation systems
- Vibration analyses and measurements
- Frequency analyses

- Bearing condition measurements and monitoring
- Air flow measurements
- Measurements of performance
- Differential pressure measurements
- Determination of rotation speed values
- Laser alignment of coupling driven fans
- On site balancing of any rotating machine
- Hygienic evaluations acc. to VDI 6022



Stress analysis by FEM



Comparison of different frequency spectra.

... and any **regular supervi**  
inspection and **repair tasks**  
down times.

We are of course able to undertake the assembly and commissioning of fans with the most different designs also for third party products in addition to the services ensuring system availability described in detail on this page: on site balancing of fans, laser alignment of shafts, etc..

**Repair and maintenance of fans and ventilation systems on site:**

- Bearing replacement
- Shaft or impeller replacement
- Vibration damper replacement

**Inspection, maintenance and repair of electric motors:**

You can save the costs for the disassembly and delivery with replacement of bearings on site.

**Measurement based determination and evaluation of actual condition of fan and motor bearings during normal operation:**

An extensive functional reliability can be achieved by the reliable assessment of bearing conditions and by the use of shock pulse monitoring and vibration measurement instruments.

**Optimisation by laser optical shaft alignment:**

Misalignments on coupling driven machines, e.g. motor-pump units, can be corrected by this in order to avoid machine breakdowns as consequence.

**Field balancing of fans on site based on vibration analyses:**

Unbalances are precisely measured by vibration analyses in terms of position and size and removed by systematic balancing acc. ISO 2372 without cost intensive disassembly and assembly of impellers.

**Inspection of maintenance requiring smoke extraction fans acc. to current regulation:**

For this, an inspection report is issued for each single fan wherein any technical data, location, etc. are documented. The inspection report serves the operator as legally required maintenance proof.



# ision, fire protection, for the minimisation of



## **Modification and retrofitting of ventilation systems and air ducts:**

We advise you already in the planning stage – regardless if it concerns a modification or a retrofitting of an existing system – or if you plan a new system.

With regard to the reconstruction and repair of ventilation systems, we offer:

- Replacement of air filters
- Cleaning of louver damper flaps
- Cleaning of weather protection devices
- Cleaning of ventilated cabinets and other ventilation elements
- Exchange of anti-friction bearings
- Exchange of V- belts

## **Repair of fans with the most different designs:**

Our offer is valid also for third party products regardless of the type:

We determine the actual conditions of fans and electric motors using the latest measuring technology and repair mechanical wear parts on site.

Also, we carry out assessments of anti-friction bearings of third party manufacturers.

## **Measuring technology based maintenance and repair of ventilation and air-conditioning systems:**

- Replacement of air filters
- Measuring technology based examination of any rotating part
- Alignment of couplings
- Laser based precise alignment and tensioning of belt drives
- Cleaning for ensuring reliable operation
- Cost effective replacement of defective parts
- Supply and mounting of ventilation and air-conditioning systems and equipment, e.g. motors, belts, pulleys, filters, air ducts, fire protection dampers, etc.
- Preventive maintenance of ventilation and air-conditioning systems and equipment of any make as well as on special and high performance fans
- Reconstructions, e.g. exchange of defective fire protection dampers, are being planned in detail and in advance and carried out acc. to a precise schedule

# Optimal security.

**Flexibility** is our strength. We work at off-peak times, between shifts or without interference of production hours.



The responsible person declares the conformance of the product acc. to all applying EC directives and the performance of a respective conformity assessment procedure by attaching the CE marking.

The maintenance of **smoke extraction fans** has to be performed annually.

The proper functioning and operation availability has to be inspected and documented quarterly.

Trigger or release mechanisms have to be inspected every month.

**Optimal service** means:

Reliable performance and operating life of machines are to be preserved by regular maintenance

Long operating life, optimal use and the profitability of the machine are ensured by this.

A high system availability and an optimal system operation are additional benefits of our productive maintenance offer.

**POLLRICH DLK<sup>®</sup>**  
**FAN FACTORIES**

www.pollrichdlk.com

Service-Hotline  
**+49 (0)2161-968 184**

Nächste Überprüfung  
Next inspection

A circular clock face with numbers 1 through 17. A globe is positioned in the center of the clock, partially overlapping the numbers 11, 12, and 1.

**Maintenance Contract**

A black hard hat with a white chin strap. The logo "POLLRICH DLK<sup>®</sup> FAN FACTORIES" is printed on the side of the hat.

**Service days last 24 hours**

The modern quality management methods of our after sales and customer support centre ensure you quality standard, reliability and efficiency. Since fans belong to a great extend to the process determining factors of your business, we offer our service and assistance to you regardless of your fan supplier anywhere in the world within the shortest possible time if assistance is requested.

# 24h SERVICE for fan units – worldwide.

**Service-hotline:**

fon +49(0)2161-968 184  
fax +49(0)2161-968 307  
service@pollrich.com

Our service-team is available for you around-the-clock

- Technical advice
- Assembly
- Commissioning
- Performance tests

- Noise and vibration measurements
- Inspection
- Preventative maintenance
- Maintenance and repair
- Electronic balancing
- System optimisation

**Headquarters:****[DE] Pollrich Ventilatoren GmbH**

Neusser Straße 172  
D-41065 Mönchengladbach  
fon +49(0) 2161-968 - 0  
fax +49(0) 2161-968 - 300  
info@pollrich.com

**[DE] DLK Ventilatoren GmbH**

Ziegeleistraße 18  
D-74214 Schöntal-Berlichingen  
fon +49(0) 7943-9102 - 0  
fax +49(0) 7943-9102 - 10  
info@dlk.com

**Your local support:****[FR] Pollrich France**

17, Chemin des Boeufs, Za Les Bosquets  
FR-95540 Mery sur Oise  
fon +33(0) 130 360 920  
fax +33(0) 130 360 966  
simon-pollrich@wanadoo.fr

**[CN] Nantong Dart-pollrich fan CO.,Ltd**

88 Tongsheng Road,  
Nantong Economic & Technology Development Zone,  
CN-Nantong, Jiangsu, China  
Post code: 226010  
fon +86(0) 513-85554 411  
fax +86(0) 513-85544 316  
ntfan@dart-pollrich.com

**[NL] Tunnel Fans**

P.O. box 114, NL-3910 AC Rhenen  
Utrechtsestraatweg 206  
NL-3911 TX Rhenen  
fon +31(0) 318470 043  
info@tunnelfans.nl

**Further partners worldwide:**

>see [www.pollrichdlk.com](http://www.pollrichdlk.com)

**POLLRICH<sup>®</sup>DLK<sup>®</sup>**  
**FAN FACTORIES**

