

# High Availability

Monitor, Report, Control!

- Climatic & environmental effects
- Fire & earthquake
- Power fluctuations
- Power failure
- Unauthorised access



# High Availability

## Monitor, Report, Control!

Investments in data and network technology are not insignificant by any means. Knürr technical solutions provide the corresponding answer to every question with regard to monitoring, reporting and controlling of data and network components.


Network designers, providers and operators must be able to access a technically mature, well-coordinated and future-oriented product range. Knürr provides a complete solution concept to formulate a central and operation-reliable monitoring, control and regulation on the basis of a differentiated indicator procedure. This is implemented in order to prevent costly hardware and software downtime and damage.



**Rack monitoring RMScompact®**

- Heat & cold
- Humidity & dryness
- Water
- Fire & smoke
- Ventilation & airflow
- Vibration
- Door entry sensing
- Alarm signalling
- Regulations & controls

**Damage prevention via monitoring and controlling**



**Sensor system Temperature**

- Cold
- Heat
- Fire



**Sensor system Smoke detector**

- Fire
- Environment
- Internal rack space




**Sensor system Humidity detector**

- Damp
- Water ingress



**Sensor system Vibration**

- Earthquake
- Accidents
- Vandalism



**Envision TFT Drawer**

- Monitoring
- Check up
- Administration
- Control

**Space-saving operating in the 19" rack**



**Administration KVM-Switch (KeyboardVideoMouse)**

- Control
- Secure remote access
- Plug & work installation

**Central control of global data center**



**Access security ALock®**

- Mechanical
- Electronic
- Combi-lock


**Modern access management**



**Rack systems Miracel**

- Modular, flexible
- Rack technology as a comprehensive solution


**Network racks • Server racks**



**Data security Cabling**

- Dimensioning
- Planning
- Transparency

**Transparent and orderly cable management**



**Uninterruptible power supply UPS with...**

- Power failure
- Power fluctuations
- Maintenance work

**Reliable, safe, user-friendly**



**Socket strips DI-STRIP®**

- Distribution
- Surge protection
- Mains filter
- 1- and 3-phase, 16 A


**Highly available power distribution**



**Power distribution BladePower® PDU**

- Distribution for 2 BladeCenter
- Ideal for redundancies
- Individually fused
- 1- and 3-phase, 32 A

**Power distribution extra for blades**



**Top fan cover CoolBlast® T**

- No hot spots
- Temperature controlled
- Foreign object protection

**Active Cooling**



**Fan unit CoolBlast®**

- No heat build-up
- Exhaust air regulation
- Integrated filter

**Forced cooling for electronics**



# CoolTherm® Excellence

Expertise in the DataCenter

World-wide  
... and close  
to the  
customer

If you want to build an excellent platform for server cabinets, you need more than just pre-formed parts, side panels and doors. Above all you need passion, experience and stamina. Because what really makes CoolTherm® stand out is ideas.

#### Excellence in ideas:

CoolTherm® provides the best cooling performance in its class. It stands out from its competitors. In many respects, even in the design. The IF Award 2006 is the reward for its concept and architectural design.

#### Excellence in technology:

Peak performance for IT applications through a perfect cooling strategy using V35 heat exchangers. An enormous amount of heat, up to 35 kW, is dissipated using cooling water – but without emitting any heat into the ambient air!

#### Excellence in handling:

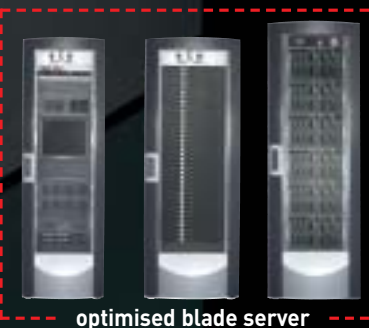
Safe and reliable – CoolTherm® is an autonomous server cabinet with redundant high-performance power distribution for supplying the servers. User-friendly and optimised for maintenance. Security against leaks is constantly guaranteed.



#### Excellence in value:

CoolTherm® convincingly combines ease of installation and maintenance with maximum cost-effectiveness. Enormous space savings in the computer center and at the same time a reduction in the requirements for room and building (air conditioning, false floor, room height).

Get to know its excellence by watching it in real-time operation. Be inspired. By CoolTherm® – scaled in various performance classes up to 35 kW.



- Australia**  
Tel. +61 (0) 2 96 66 - 48 66  
Fax +61 (0) 2 96 66 - 48 68
- Austria**  
Tel. +43 (0) 1 - 9 70 22 - 0  
Fax +43 (0) 1 - 9 70 22 - 29
- Belgium**  
Tel. +32 (0) 3 - 450 7777  
Fax +31 (0) 76 - 542 1015
- Brazil**  
Tel. +55 (0) 15 - 3263 - 2444  
Fax +55 (0) 15 - 3263 - 1024
- China**  
Tel. +86 (0) 10 62 38 58 28  
Fax +86 (0) 10 62 38 58 29
- Czech Republic**  
Tel. +420 (0) 596 152 392  
Fax +420 (0) 596 152 112
- Czech Republic**  
Tel. +420 (0) 737 211 711
- Denmark**  
Tel. +45 ( ) 44 85 04 85  
Fax +45 ( ) 44 94 99 89
- Finland**  
Tel. +358 (0) 19 - 8711 1  
Fax +358 (0) 19 - 8711 500
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Tel. +33 (0) 1 43 77 85 85  
Fax +33 (0) 1 43 39 02 10
- Greece**  
Tel. +30 2310 - 50 04 43  
Fax +30 2310 - 52 59 82
- Hong Kong**  
Tel. +852 28 51 22 11  
Fax +852 28 51 20 60
- Hungary**  
Tel. +36 (0) 1 4 21 - 30 08  
Fax +36 (0) 1 4 21 - 30 00
- India**  
Tel. +91 (0) 802 - 3 38 03 47  
Fax +91 (0) 802 - 34 05 65
- Israel**  
Tel. +972 (0) 9 - 892 44 44  
Fax +972 (0) 9 - 892 44 55
- Italy**  
Tel. +390 (0) 2 95 34 30 80  
Fax +390 (0) 2 95 34 31 04
- Japan**  
Tel. +81 (0) 4 26 - 56 - 58 11  
Fax +81 (0) 4 26 - 56 - 58 08
- Netherlands**  
Tel. +31 (0) 76 - 54 22 92 2  
Fax +31 (0) 76 - 54 21 01 5

- Norway**  
Tel. +47 ( ) 64 83 84 40  
Fax +47 ( ) 64 83 84 50
- Poland**  
Tel. +48 (22) 6 76 94 62  
Fax +48 (22) 6 76 98 10
- Portugal**  
Tel. +351 (21) 3 22 41 63  
Fax +351 (21) 3 22 41 69
- Russia UNI**  
Tel. +7 (095) - 780 95 55  
Fax +7 (095) - 780 95 56
- Russia ICS**  
Tel. +7 (095) - 755 68 19  
Fax +7 (095) - 913 99 87
- Russia OCS**  
Tel. +7 (095) - 995 25 75  
Tel. +7 (812) - 324 28 70
- Russia**  
Tel. +7 (095) - 517 88 39  
Tel. +7 (812) - 783 55 08
- Singapore**  
Tel. +65 ( ) 67 73 - 1583  
Fax +65 ( ) 67 73 - 1582
- Slovakia**  
Tel. +421 (0) 2 - 64 28 78 81  
Fax +421 (0) 2 - 64 28 78 91
- Spain**  
Tel. +34 91 - 8 89 89 61  
Fax +34 91 - 8 89 84 92
- Sweden**  
Tel. +46 (0) 8 - 59 47 07 50  
Fax +46 (0) 8 - 59 47 07 69
- Sweden LBW**  
Tel. +46 (0) 8 - 58 41 08 80  
Fax +46 (0) 8 - 58 02 67 69
- Switzerland**  
Tel. +41 (0) 44 806 54 54  
Fax +41 (0) 44 806 54 64
- Taiwan**  
Tel. +886 (0) 2 - 2276 - 10 19  
Fax +886 (0) 2 - 2279 - 88 83
- United Arab Emirates**  
Tel. +971 (0) 4 - 335 29 95  
Fax +971 (0) 4 - 334 99 51
- United Kingdom**  
Tel. +44 (0) 1480 49 61 25  
Fax +44 (0) 1480 49 63 73
- USA**  
Tel. +1 (805) 915 - 37 14  
Fax +1 (805) 584 - 83 71



## Regional Sales Offices

- Hamburg**  
Tel. +49 (0) 41 01 / 40 01-0  
Fax +49 (0) 41 01 / 40 01-99
- Cologne**  
Tel. +49 (0) 22 36 / 89 00-0  
Fax +49 (0) 22 36 / 89 00-99
- Leipzig**  
Tel. +49 (0) 3 41 / 2 45 15-0  
Fax +49 (0) 3 41 / 2 45 15-99
- Munich**  
Tel. +49 (0) 89 - 4 20 04-200  
Fax +49 (0) 89 - 4 20 04-199
- Stuttgart**  
Tel. +49 (0) 71 52 / 93 67-0  
Fax +49 (0) 71 52 / 93 67-99



Knürr AG  
Global Headquarters

Mariakirchener Straße 38  
94424 Arnstorf • Germany  
Tel. +49 (0) 87 23 / 27 - 0  
Fax +49 (0) 87 23 / 27 - 154  
www.knuerr.com

[www.knuerr.com](http://www.knuerr.com)

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