

More than 40 years of experience in cabinet solutions



# DATACENTER SOLUTIONS

# 2



**NETcell**



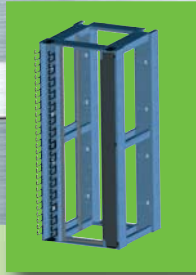
**Air conditioning**



**Power distribution**

... the perfect shell for valuable electronics

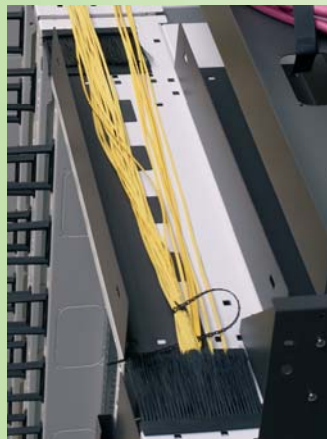




### cable tray for excess length of cable

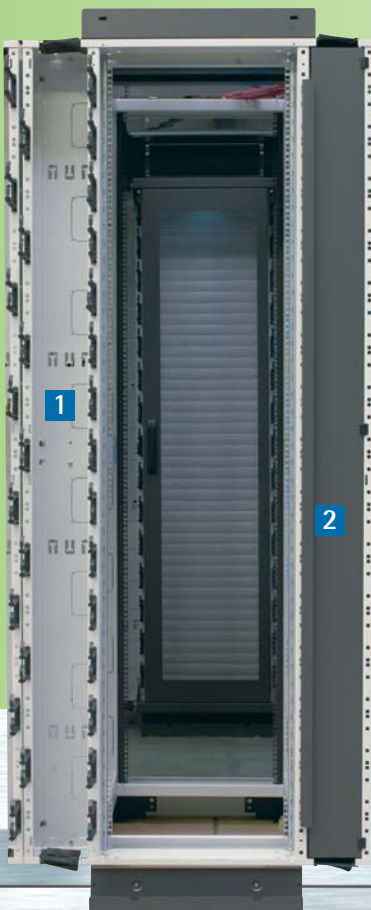
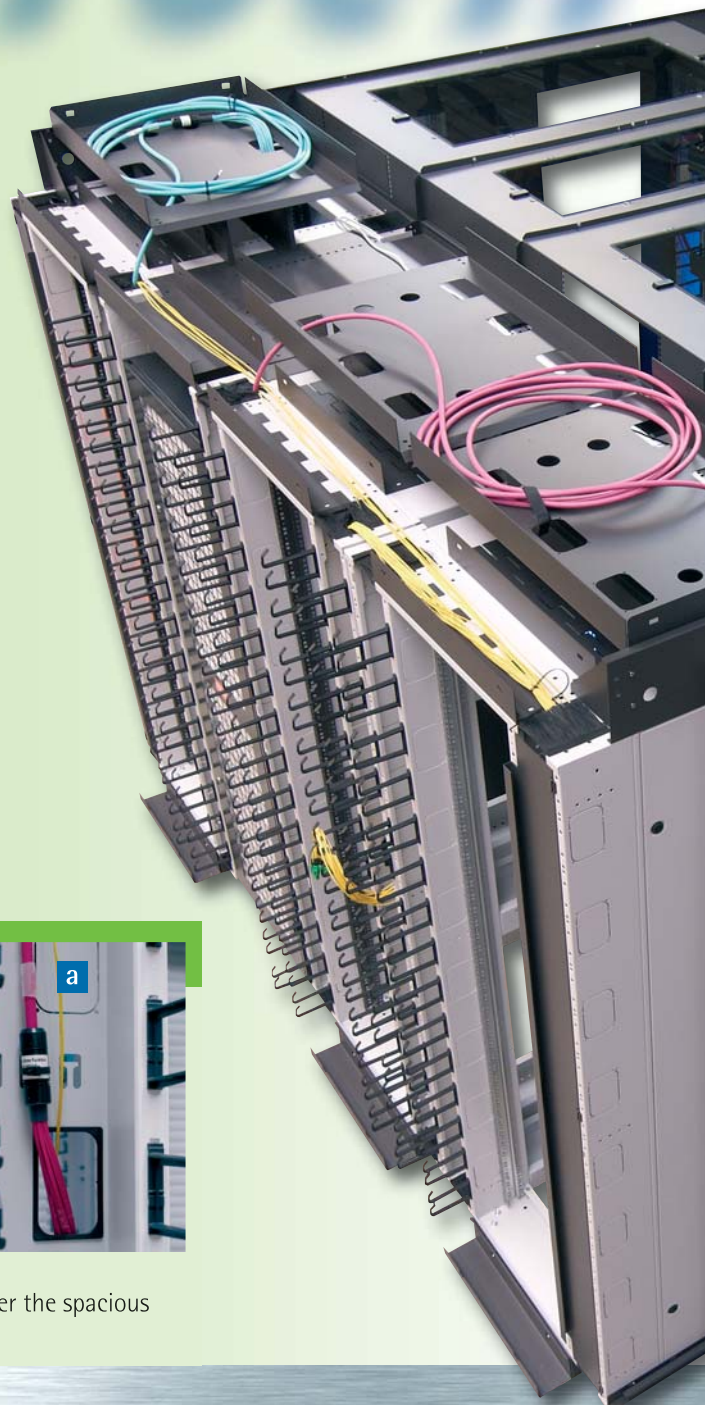
- in case of connected rack installation it can also be used as trunking system

# NETcell



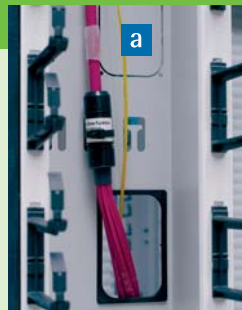
### Modular cable trays

- for separate routing of data and power cables



### Cable management

- designed for easy routing of high volume of data and power cables (vertical and horizontal)
- break-outs **a** for individual cable management from front to back or sideways
- with cable tidy rings **1** for quick cable routing and clearly arranged handling
- self locking cable duct door **2** to cover the spacious cable channels (aperture angle 180°)



... the perfect shell



the chilly 19" rack system for your  
Data Center: effective cooling and  
optimised cable management  
perfectly combined



... flexibility  
without limits!

for valuable electronics



#### Transparent corridor cover

- for the illumination of the working area, dismountable for the easy access to the cool corridor
- additional 3 U mounting area for e.g. power supply, lighting



Interior view cool corridor



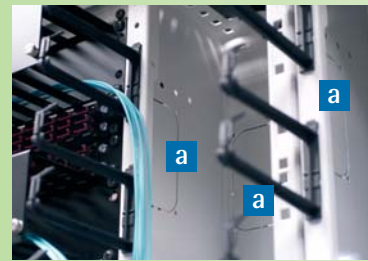
#### Front and rear sliding doors

- manual handling or electrical controlled
- lockable version optionally available



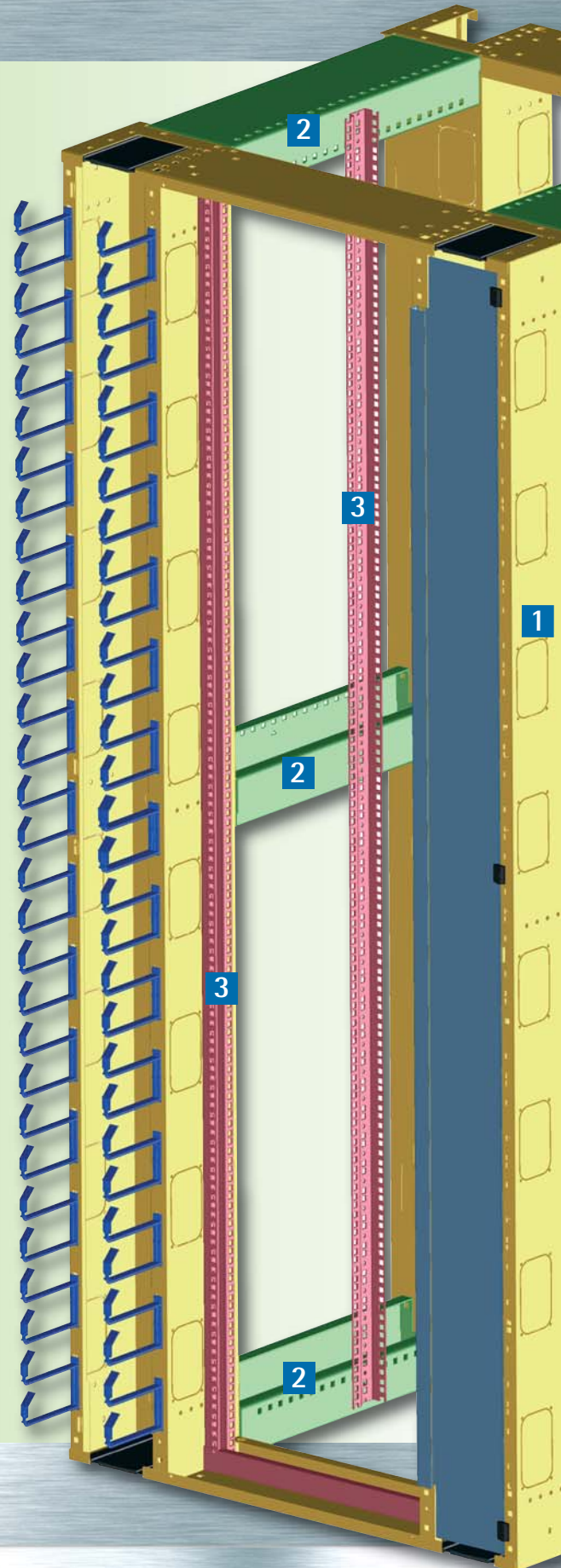
### Cable duct

- fully accessible from the front (no threading through of cables necessary)
- open cable ducts covered with brushes
- optionally extensible with cable hoops
- cable duct optionally covered by a door
- break-out **a** for easy cable management



### Cable tray

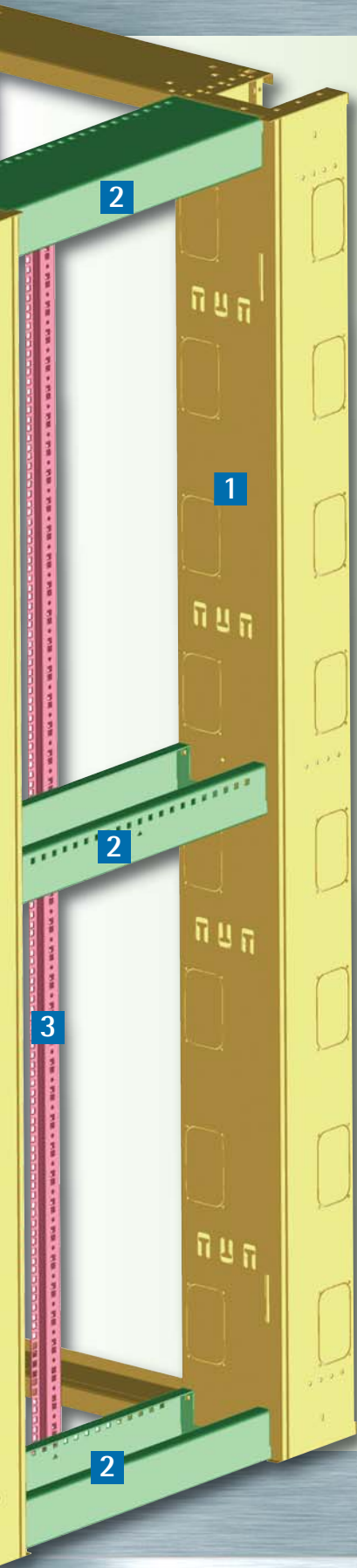
- for system construction **with socket**
- for horizontal cable management into the single cabinets





## 19" extension frame

- air-sealed 19" extension frame to prevent turbulence of hot and cold air

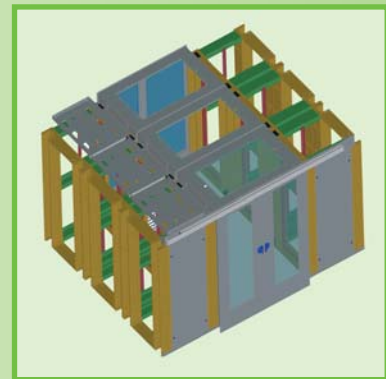
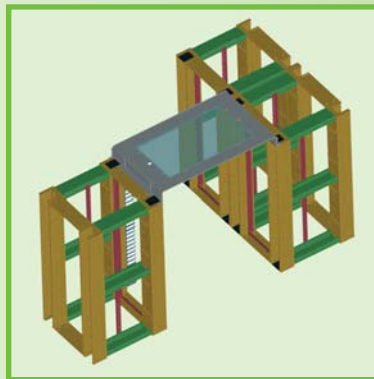


## System design

- fast and easy assembly of system due to small number of parts

- 1 open frame with integrated cable duct (2x)
- 2 tie-bar with integrated cable tray (6x)
- 3 19"extension frame (2x)

- several extension features complete the system for different applications (server rack, network rack, combi rack)
- fast upgrade to a cool corridor system



# apra power system

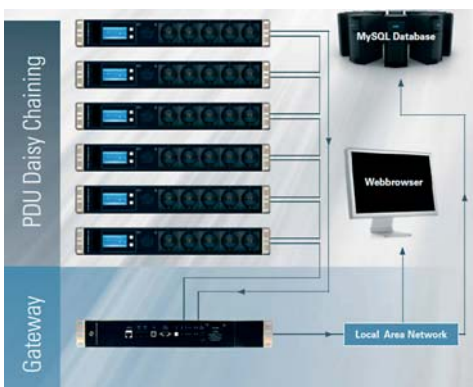
## Intelligent PDUs for data centres

- The electrical power distribution is by far the highest of all variable costs in a data centre. This fact alone should be a reason for more insight in power usage with intelligent PDUs. A detailed measurement of energy optimises the management of your data centre and prevents outages due to overload of a power feed.
- Power Distribution Units (PDUs) are power strips for use in 19" cabinets. The main task of a PDU is to distribute electrical power within a cabinet. In order to meet the extreme requirements of data centres, we aim for the highest quality and reliability.



## Monitoring system

- All PDUs are connected to a databus for 'remote monitoring'
- The Gateway is the interface between databus and a TCP/IP network. This way you only need 1 IP-address to get access to all PDUs. This saves on network infrastructure costs and is much easier to protect.



## Product features

- Power feed: 1-phase or 3-phase, 16 or 32A with CEE plug
- Overload protection with thermal breakers
- Optional outlet measuring
- Optional outlet switching
- Measuring of current, voltage, power, energy and internal temperature. Optional external temperature
- Back-lit LCD display with all measurements
- External temperature connector
- Low energy consumption due to the use of high quality components, an oversized wiring, low-power electronics and bi-stable relays. This leads to significant savings during the life-cycle of the PDU's.
- The databus topology ensures easy and quick installation. By using just 1 IP-address network costs are reduced and and ensures high system stability.





# apra cooling system

## Air conditioning

- Air conditioning is one of the most important factors in the operation of data centres. For this reason, apraNET cooperates and uses the know how of one of the leading suppliers of cooling solutions in Germany which also guarantees a world-wide service of the cooling systems.
- apraNET combines most modern apraNET rack and cable management systems with highly effective and reliable cooling equipment.
- Our cooling product range comprises of air and water heat exchangers as well as compressor cooling units (chillers).



## Cyber Row

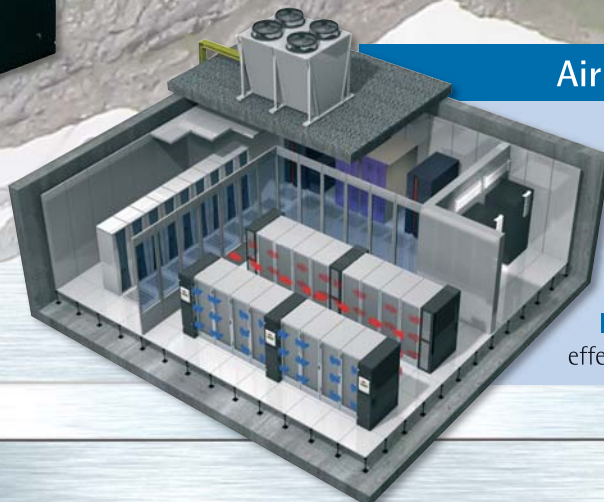
- Directed cooling of high density racks
- Highly efficient cooling of warm or cold-aisle containment systems
- For data centres with and without raised floor
- Complete separation of the systems between IT-Rack and temperature control
- Horizontal airflow in front of the racks
- Cooling power up to 56 KW

## Sidecooler

- Especially for cooling racks with blade servers
- For data centres with or without raised floor
- Closed air circuit inside the rack
- No temperature impact in the rack area
- Cooling power up to 2 x 19 KW per rack

## Air conditioning concepts

- Air conditioning of data centres requires high skills and can be managed in various ways and with different concepts. apraNET offers you the support and know-how of an experienced team to design the solution which fits you and your requirements best.
- For these requirements, different options for effective cooling solutions are available.





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... always at your service!



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[www.apranet.de](http://www.apranet.de)