

# Intelligent COMPACT SERVER ROOM GERMAN ENGINEERED

**i-CSR**

A STULZ INNOVATION



## WARNING

**Wording of this page to be checked by your Indian legal department.** The way we communicate this kind of agreement to the market **might have an impact on our financial communication: so it's very important that the wording is correct from a legal/ business point of view.**

# COMBINING OUR STRENGTHS

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The introduction text should explain that Legrand has concluded a commercial agreement with Stulz, what is the content/ nature of this agreement and what it aims at.

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Here you can explain the benefits of this partnership for the customer



# STULZ

Global leaders in data center climate control

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Short presentation of Stulz company. Which facts, figures and products you show needs to be decided by you, probably together with Stulz.



XX SUBSIDIARIES

X PRODUCTIONS SITES

SALES SERVICE PARTNERS IN OVER XXX COUNTRIES

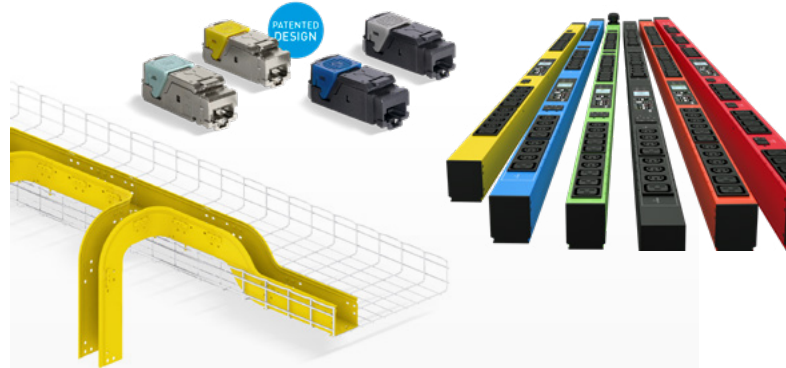
# LEGRAND

The global specialist in electrical and digital building infrastructures

LEGRAND offers a comprehensive range of solutions and services tailored to the needs of residential, commercial and industrial markets.

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Details and products to be shown - to be decided by you



OVER 300,000 CATALOGUE ITEMS

MORE THAN 90 PRODUCT FAMILIES

PRODUCTS MARKETED IN NEARLY 190 COUNTRIES

LOCATIONS IN CLOSE TO 90 COUNTRIES



# ZERO HASSLE QUICK DEPLOYMENT COST EFFECTIVE

## i-CSR



### Plug and Play

Engineered server cabinet with in-built power distribution, cooling and optional UPS.



### Safe

Automated emergency fans with door opening on overheating. Smoke sensor with fire alarm. Ultrasonic rodent repellent.



### Secure

Secured with biometric access and optional IP cameras.



### Convenient

Place anywhere indoors. Does not require air conditioned environment.



### Modular

Flexible configuration of up to 8 racks. Scale as you grow.



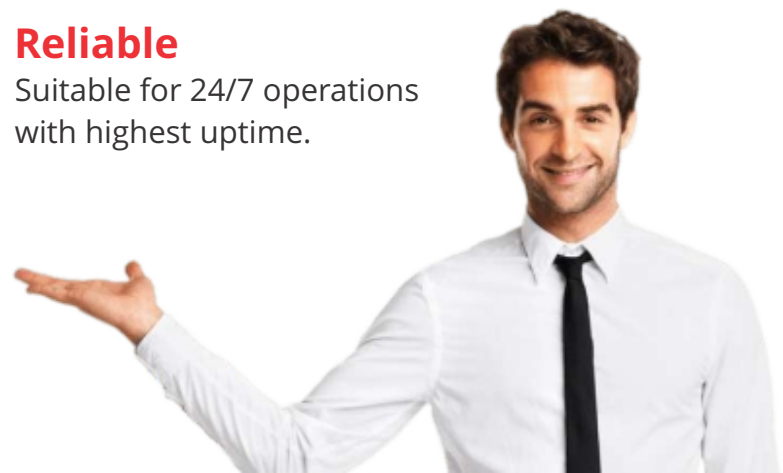
### Efficient

Up to half the space and half the power bills vs traditional server rooms.



### Reliable

Suitable for 24/7 operations with highest uptime.



# STANDARD EDGE MODULES

**i-CSR**



## Smart Factory

Auto | Pharma | Semi-conductor Manufacturing

- Single cabinet
- Side mounted DX air or chilled water cooled system options
- Size options: 30U/42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)

## Bank Branch | Hospital

- Double cabinet
- Side mounted DX air or chilled water cooled system options
- Size options: 42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)



## University Campus | Research Lab | Animation Studio

- Multiple cabinets
- Double side mounted cooling with DX air or chilled water cooled system options
- Size options: 42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)



# STANDARD HUB MODULES

**i-CSR**



## Retail Outlet | Small Commercial Office

- Single cabinet
- In rack DX air cooled system
- Size options: 30U/ 42U/47U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)

## Mid-size Commercial Office

- Double cabinet
- In rack DX air cooled system
- Size options: 42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)



## Hotel | Airport | Commercial Building

- Multiple cabinets
- Side mounted DX air cooled system
- Size options: 42U/47U/52U
- Brand neutral UPS and PDU
- Ultrasonic rodent control
- Touchscreen control panel
- Cable and keyboard trays
- Fire detection, auto-door opening, emergency fans, hooter and alarm
- Front door biometric access
- Environment monitoring system (EMS)



## RACK CONSTRUCTION

600/800 mm wide heavy duty steel with powder coat finish

## EMS

Environment Monitoring System

## POWER DISTRIBUTION

Brand neutral smart PDUs

## RODENT CONTROL

Ultrasonic Rodent Repellent

## CABLE MANAGEMENT

Universal cable tray

## PROGRAMMABLE CONTROLLER

Touchscreen controller for environment monitoring

## LIGHTING

Internal LED lighting



## REMOTE MONITORING

Modbus

## OPTIONS

Rear Door  
Biometric  
Access

IP Camera  
Surveillance

Dual Power  
Source

Pressure  
Sensor

Brand  
neutral  
UPS

Fire  
Supp





### BIOMETRIC ACCESS

Front door secured with biometric access system

### SIZE

30U/ 42U/ 47U/ 52U

### COOLING

Powerful, efficient climate cooling and control with EC fan technology and drain pump

### OVERHEATING AND FIRE PROTECTION

Auto door opening, emergency fans, smoke detector, fire alarm, hooter and light

### SIDE CABINET

400 mm wide side cabinet for higher heat loads and redundant cooling

### INSTRUMENTATION

Temperature, humidity and door status sensors. Water drip detector.

### MONITORING

Access over IP



Access over IP	Intelligent Rack PDU	Humidity Control System	Condensate Pump	Customized Colours	*Further Options Available on Request
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# MODULAR COOLING

DX, Chilled Water and Direct Liquid-to-Chip Cooling Options



## SIDE MOUNTED

- The side-mounted solution provides 5-40kW cooling capacity
- Minimal energy consumption
- Precise temperature control
- Available in chilled water and DX aircooled options
- Front and back maintenance access
- Optimum adaptation to different return and supply air temperatures using EC fan technology



## U-MOUNTED

- DX air-cooled system
- Internal 3.5kW(4U) or 7kW(8U) per unit for additional cooling
- Minimal energy consumption
- Precise temperature control



## DIRECT LIQUID TO CHIP

- Up to 80kW of chip level cooling per rack (at 30°C facility water)
- Internal mount utilizes 2U-4U
- Manages more than 120 servers
- Quick and easy maintenance
- Requires only 652 W
- Servers remain hot-swappable for service
- High temperature return water can be reused for heat recovery

# PAN INDIA SMART SERVICE NETWORK

Company Trained Factory Technicians  
Connected Over Service App



**ONSITE SERVICE SUPPORT ON DEMAND**  
**Round the Clock**



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### CONTACT DATA LEGRAND INDIA

#### Legrand Mumbai

61/62, 6th Floor Kalpataru Square, Kondivita Road, Off Andheri Kurla Road, Andheri (East), MUMBAI - 400 059

Tel.: (022) 30416201

Fax: (022) XXXXXXXX

[www.legrand.co.in](http://www.legrand.co.in)