

CEBIT 2007 - Hannover - special edition

SAIFOR

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March 2007

updates



81%

SI SAIFOR®

CeBIT

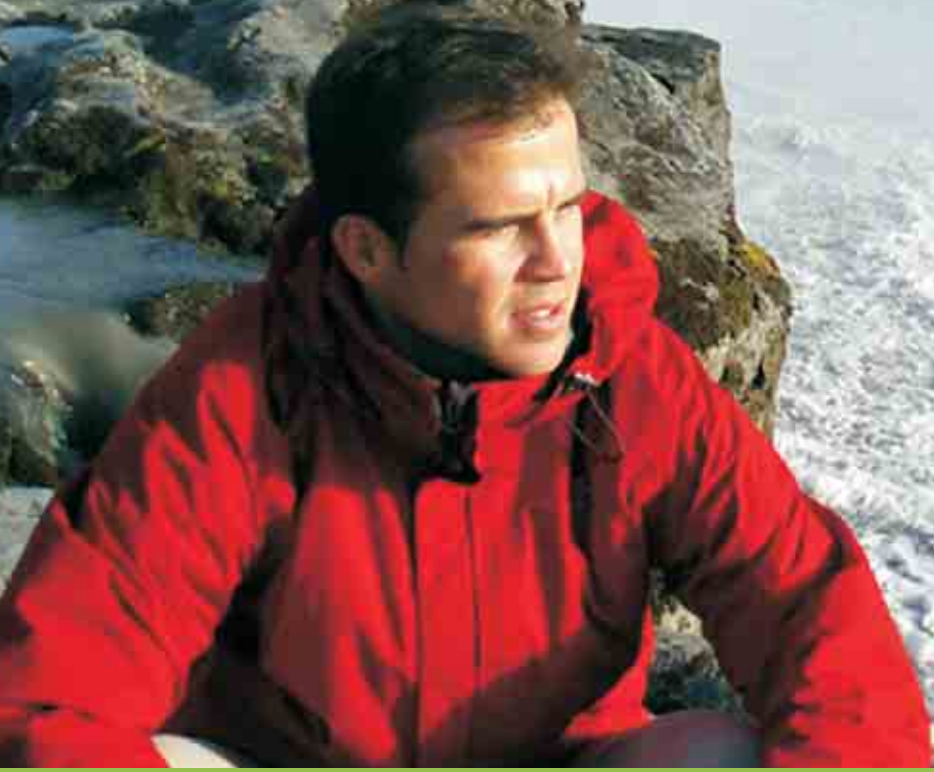
Join the vision

**HANNOVER
GERMANY**

15-21 MARCH 2007

check this out and more in our **stand H17 @ Hall 14**

You're not really lonely!



SAIFOR[®]
probably the best choice



SAIFOR, Innovative partner

Born in 1985 in Barcelona and still a family owned company, SAIFOR is evolved to become a Specialist partner on High End cabinets & Technical furniture for Datacenters, and Control Rooms.

As a result of our Internationalisation strategy, we are currently present in more than 28 countries via selected partners, and with subsidiaries in Santiago de Chile, France and Belgium, supported with our active presence in International and prestigious events like CeBIT Hannover, Sviaz Expocomm Moscow & Gitex Dubai.

Following to our mission of constant development, providing innovative solutions for Datacenters infrastructure to our partners, this year we present the complete range SACS, Saifor Advanced Cooling Systems and Ergo Net for control & computer rooms.

SACS is composed by 4 different products, covering Cooling needs from 10 to 40 KW, with the additional value of being 100% compatible with any of our ARCTIC cabinets already installed.

The main target of SACS is to offer a perfect alternative for those who refuse water inside Datacenters, being it replaced by gas under customer requirements.

ERGO NET is the natural substitute of our SPAZIO Lan, designed to be used in combination with ERGO NOC consoles for control rooms, and with technical and aesthetics improvements in line with the last trends of the market in terms of evolution and space adaptability.

editorial

➔ SAIFOR S.L. places itself as an urban company, developing an environmental protective policy, that support our activity, services and growth, without interfering in the natural balance of the environment.

As a basis of our policy of constant improvement, we consider it's better to prevent rather than decontaminate, therefore we promote the "Culture of Respect" for the

Environment together with the function trainings, so that we could achieve our targets according to our environmental policy.

The adoption of technological resources that help us to prevent & protect our environment, the selective recycling and the constant reduction of environmental impacts as a result of our activity, are a part of our Integral policy registered in ISO 14001 Certificate.





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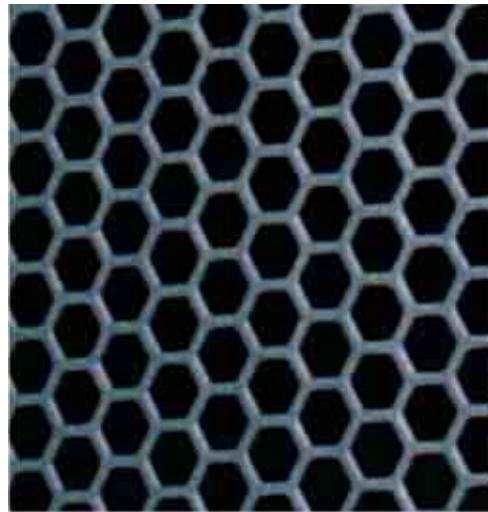
V2 doors 81%

The increase of heating inside cabinets, and the need to protect equipments, has been the perfect excuse to play our role of Innovative partner, offering the first Server vented door with **81% of airflow** in the market.

Following to our mission of constant development, providing innovative solutions for datacenters infrastructure to our partners, we are glad to present this new generation of Server doors, which are available for the whole **ARCTIC** range, including ISP cabinets.

This new range of doors not only focus on offering the highest passive airflow of 81%, also aesthetics come up with the new design, which has been extended to double doors and glass doors, with the possibility to easily convert them into IP55.

Please, ask for further information of availability and accessories for doors, like temperature indicators and security systems.



Maximum airflow
81% of airflow rate in doors



Saifor presents SACS, a wide range of cooling solutions

The constant heating increase in Datacenters by using last server technology like Blade Servers, is a daily matter of discussion; but it is not only a question of money to create a new datacenter, if not, What does it happens during the migration to a new Datacenter? How does it affects to our company? And to our customers? Which is the cost of breakdown and how can we avoid it?

In SAIFOR we do not answer only in terms of money, if not in terms of Solutions.

We propose a complete range of products, designed to improve the performance of existing installations, compatible to any of our already installed cabinets.

The benefits of these products strive in the fact that, 95% of the improvements can be done without interfering in the installation operative, reducing breakdown problems and its negative repercussion chain.



CADU
Cool Air Distribution Unit
1720 m³/h (1012cfm)



FANS DOOR
up to 10kW - 3135 m³/h
(1848 CFM)



HTRD
high thermal
removal door
up to 12kW - 3390 m³/h (1994 CFM)



COOLING UNIT
server racks cooling system
20kW to 38kW - 5250 m³/h (3088 CFM)





up to 6kW

The new CADU or Cool Air Distribution Unit gets the most out of your existing cooling system.

This air distribution unit is fitted to the two bottom units on 19" racks.

The CADU system takes the cool air from low down and moves it higher up to the front, where equipment in operation needs cool air to work efficiently.

Air comes in through a replaceable air filter on the bottom.

Technical Specifications

Maximum air flow: 1720 m³/h (1012CFM)
2 separate fans
2 individual switches with two speed controls
1 IEC connection for power supply
ON function via LED display
Replaceable air filter

Electrical

Power 180W
Consumption (max. performance) 0.8A
Input 200-277VAC
Frequency 50/60Hz
IEC input connections

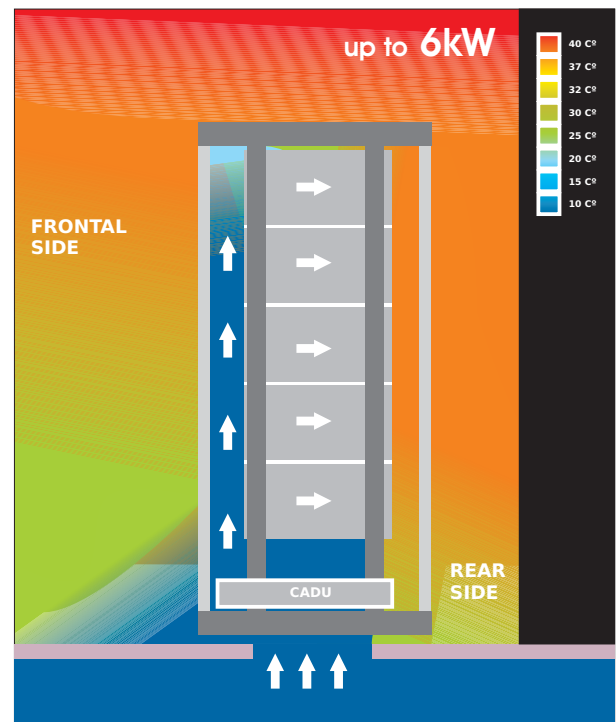
Compatibilities:

Compatible with ARCTIC and DYNAMIC racks.
Compatible with 800mm and 1000mm deep racks
Compatible with the 19" standard:
IEC 60 297/ DIN 41 494 / UNE 20 539

Dimensions, Weight and

Finish:

Height 2U
Depth 680mm
Width 450mm
Weight 11kg
Finish RAL 7021 Anthracite Grey



heating Xperience

Today's installers of Datacenters with high populated servers are facing a constant heating increase. One of the short term targets for the Research & Development department of **SAIFOR**, is to propose efficient and reliable cooling solutions for racks and high density Datacenters.

Following to these premises and thinking about future needs, we propose a complete range that can be perfectly installed to any of our **ARCTIC** cabinets already operative.



Xavier Isart
SAIFOR R+D Manager

HTRD

high thermal removal door

3390 m3/h (1994 CFM)



up to 12kW

The HTRD system takes the hot air out of the rack in three possible ways: straight into the room, connected to the false ceiling via a duct branch or connected to the room's ventilation ducts.

The door features three self regulated turbines, interchangeable from outside of the door and quick to fit.

The HTRD door is fitted with an exterior display, showing the inside temperature. It also has a line of LED's showing the correct operating function and alarms.

The turbines work in a synchronised manner, with a gradual increase in the rate of extraction depending on the temperature ramp set, so allowing power consumption and noise to be minimised.

Optional centralised control software is available to manage the temperature of up to 126 units.

Technical Specifications

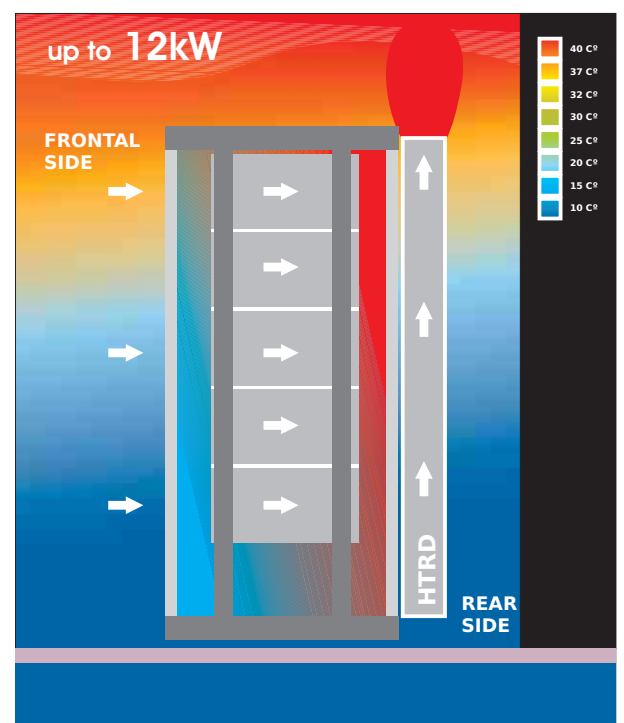
- Maximum air flow: 3390 m3/h (1994CFM)
- 3 replaceable turbines
- Visual alarm lights
- Internal temperature display
- Optional communications module + software.

Electrical:

- Power 300W
- Consumption (max. performance) 6.6A
- Input 230VAC
- Frequency 50Hz
- IEC input connections

Finish:

- RAL 7021 Anthracite Grey paint



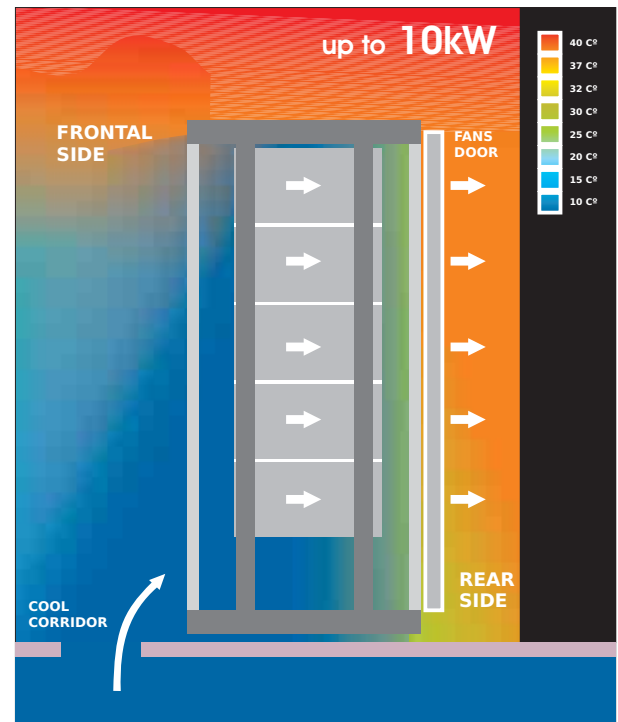
up to 10kW

The new ARCTIC DOOR FAN MODULE system allows scalability depending on cooling requirements as the equipment inside the rack is expanded.

The system consists of a base plate fitted to any ARCTIC ventilation door. This plate is the support for the scalable installation of easy-to-fit fan modules. These modules take out the hot air inside the rack.

The system monitors the temperature by means of a digital 2-fase thermostat that also helps to minimise power consumption, as modules are divided in two switch lines.

Optional centralised control software is available to manage the temperature up to 126 units.



Scaleable installation of easy-to-fit fan modules.

Compatibilities:

Compatible with ARCTIC ISP, ASP and NET racks.
Compatible with 19" standard:
IEC 60 297/ DIN 41 494 / UNE 20 539

Electrical Features:

Power 95W (module)
Consumption 04A (module)
Input 230VAC
Frequency 50Hz
IEC input connections

Finish:

RAL 7021 Anthracite Grey paint



COOL UNIT

server racks gas or water cooling system

5250 m3/h (3088 CFM)

20kW to 38kW



The cooling system is a compact module which can be fitted to the side of an ARCTIC Server rack.

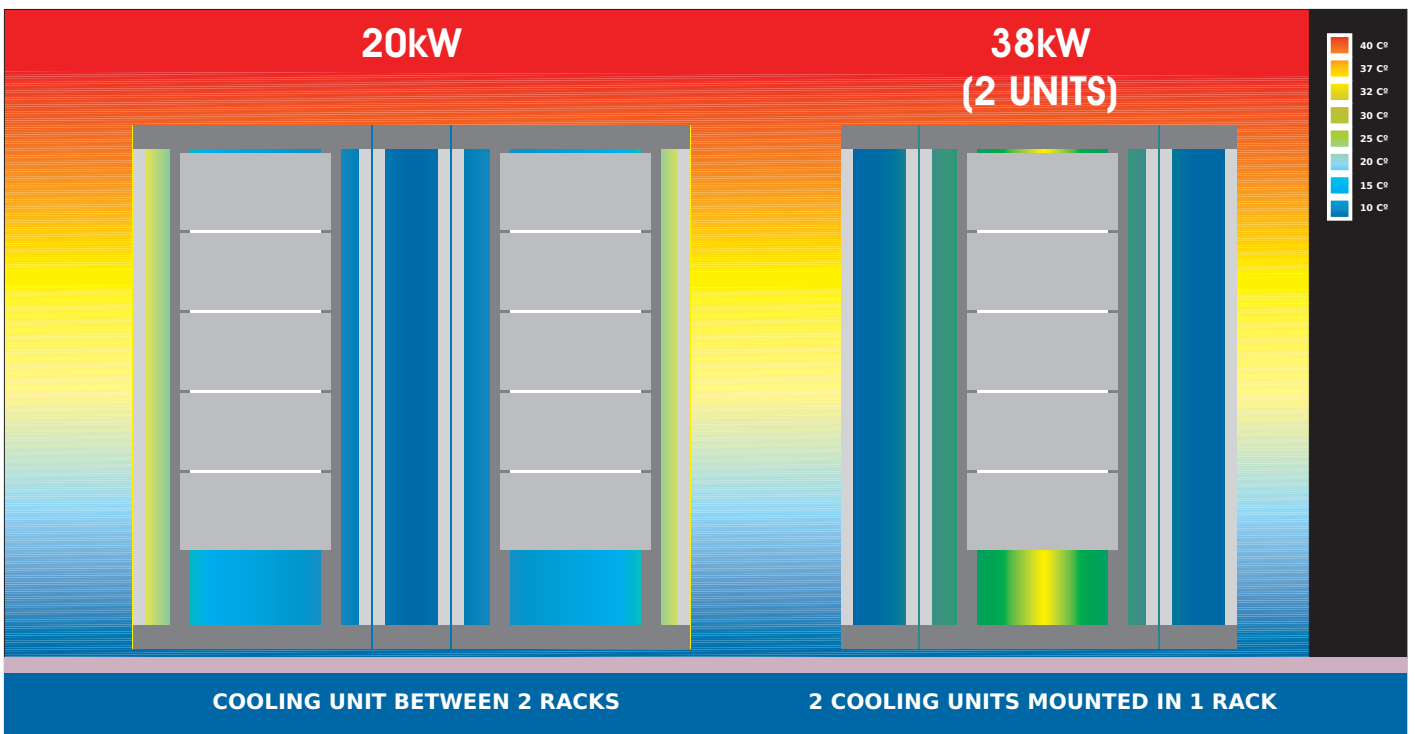
It is designed to absorb the hot air from the back of the rack, cool it and expel it at the front, where cool air is taken into the equipment installed.

Designed not to interfere with the useful space on the rack, by fitting expansion frames on the front and back.

The system is 100% compatible with the ARCTIC range.

The Cooling Unit is fitted with an exterior display, showing the inside temperature. It also has a line of LED's showing the correct operating function and alarms.

An external chiller is required, being linked up via gas or water pipes running from the chiller to the rack cooling module.



Technical Specifications

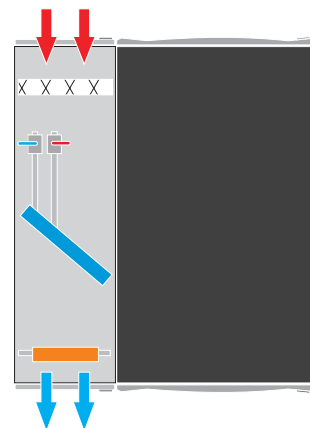
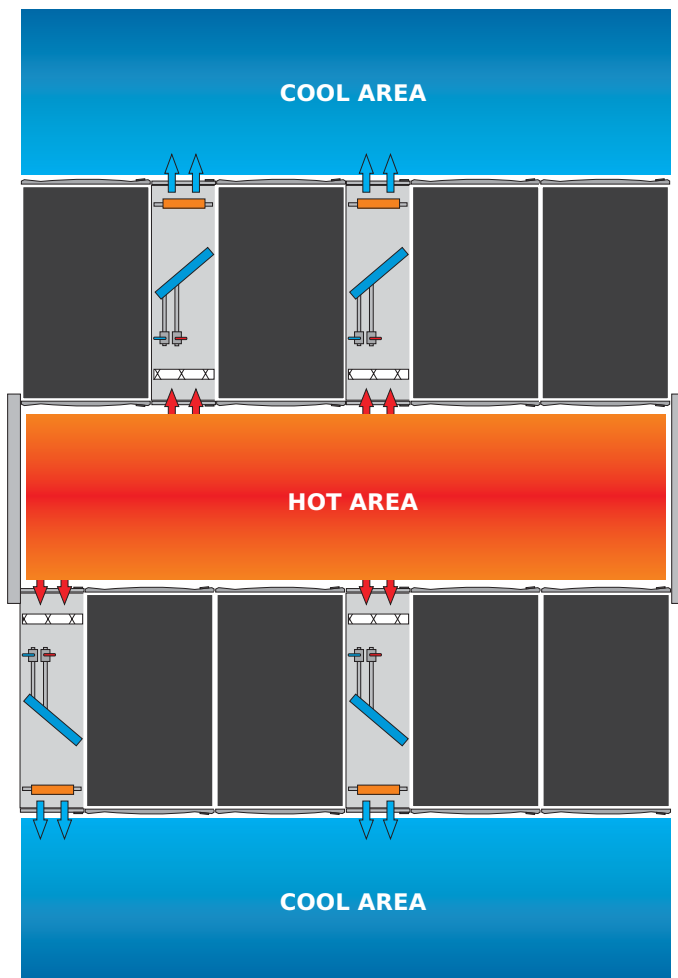
Cooling capacity 20kW to 38kW (2 side units)
 Maximum air flow: 5250m³/h (3088CFM) x unit
 Setting and viewing display
 Gas or Water cooling

Electrical:

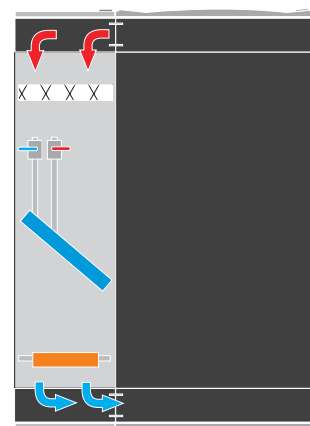
Power 285W
 Consumption (max. performance) 6.9A
 Input 230VAC
 Frequency 50Hz
 IEC input connections

Finish:

RAL 7021 Anthracite Grey paint



Option A
open system



Option B
closed system

ARCTIC 1200 Future Proof cabinets!

Bigger Servers, more powerful and deeper equipment, space for cable management, Power distribution Units, patch panels without interfering the available 19" space, future needs? Future servers? Future requirements???

All of these future problems have a concrete solution Today: ARCTIC 1200mm

Among the logic benefits of a deeper cabinet, the possibility to slide & fix the 19" panel mounts all along the cabinet allows to install equipment up to 1086mm deep, offering the great advantage to organize cables inside the cabinet on a better way, and with enough space for a proper result.

Following to the new demands of the market, additional accessories to provide extra units inside 800mm cabinets have been developed, being possible to obtain up to 24U additional units on a 47U cabinet, or the possibility to propose data & power solutions separately, but on the same panel mount, without interfering in the 19" racking space.



Madrid - SPAIN MATELEC 06

From more than 8 years now, **SAITEK**, the sister company of the group **SAIFOR**, and leader in the Iberian market, has been present in all editions of **MATELEC** (Madrid – Spain).

MATELEC is the most relevant event for Telecommunications & Electricity in Spain, with special influence in North Africa and South America for telecom, and Europe wide for electric & electronic applications.



EXCELLENT is the feedback we had from last edition of Matelec in October 2006.

In this exhibition a Datacenter and a Control Room were reproduced, displaying the cooling units and heating fluxes inside a Datacenter, and the ergonomics exploitation of a control room, with the collaboration of our partner *Barco* with a video-wall from Overview mDG50 series.



International Exhibitions 06

SAIFOR confirms its Internationalization strategy, being present in the most relevant shows by geographic areas, being directly present in prestigious and relevant events like :

CEBIT

The leading business event for the Digital world, a worldwide reference.

SVIAZ EXPOCOMM

The reference in Russia for telecommunication and electronics market.

INFORMATION COMMUNICATION TECHNOLOGY

Is the leading exhibition at the sphere of telecommunication and information technologies in Ukraine.

GITEX DUBAI

The most important gateway to the Middle East market with over 1200 exhibitors representing 2274 Companies from 61 Countries.

New Subsidiary SAIFOR BENELUX

SAIFOR BENELUX started its activity in 2006 to support our customers in the best way, in terms of products availability, technical service and project assistance for high end installations.

With its 1000 m2 of warehouse we ensure a quick delivery to Belgium, Holland and Germany for the ranges ARCTIC, PRESTO black series and ERGO NOC consoles.



This new subsidiary is fruit of the good tendency of constant growing, experienced with our subsidiary in Paris, **SAIFOR FRANCE**, which we decided to take as a model to be implemented for a better covering of Benelux market.



MIDDLE EAST

Saifor in The Palm Jumeirah, Dubai

The Eight Wonder of the World

The Palm Jumeirah is the most significant and creative earth form ever made by man. It's a true icon of dubai, the world's east-east-growing city. The Palm Jumeirah is set to become one of the world's premier resorts, with 32 beachfront top hotels, more than 4000 luxury villas and apartments along the 17 fronds, and 75 kilometers of pristine waters.

In September 2006, more than 1200 Presto wallmounts and 20 floor standing DYNAMIC racks were installed by our local esteemed partner in each of the Shoreline apartments, located in the trunk of The Palm. The trunk is a two kilometre-long living, with twenty Shoreline Apartment buildings.



MIDDLE EAST

Saifor in King Khalid International Airport, Riyadh

King Khalid International Airport (Arabic: مطار الملك خالد الدولي) (English: King Khalid International Airport)

is located 35 kilometers north of Riyadh, Saudi Arabia. Opened in 1983, it was the largest airport in the world by ground area (225 km²) until King Fahd International Airport was completed in 1999, becoming the largest airport in the world. This area houses all the airport main facilities and installations including the terminals, mosque, the control tower and two parallel runways each 4200 meters long.

At the end of 2006, our esteemed partner in Saudi Arabia supplied more than 190 floor standing NET & ASP ARCTIC racks, and 40 Presto wallmounts to build and update the new and existing datacenters of the Airport.



may we help you ?

+34 93 771 8338

saifor customer service



EUROPE SEIB 112 - SPAIN

Saitek, company of the Saifor group, has been the awardee of the new project for the provision and installation of the host table furniture of the emergencies integral system management of the Balearic Islands (Spain).

The project consists of unifying all the design criteria, using our range of technical furniture ERGO-NOC, that allows an effective management of all the located computer science equipment in the workstations, as well as a perfect organization of all the structured wiring.

The plant cellar will be reconstructed where it will be located the computer science laboratory and the rest room totally equipped.

In the ground floor it will be placed all the administrative area of the emergencies center, jointly with all the offices of the people in charge. Also contemplating to an intermediate area between the ground floor and cellar, destined to the crisis room.

The plant first will be destined to the technical zone of the emergencies center, contemplating the different functional areas: Control room, offices for the coordination people in charge, office for the coordination head.

ergo-noc

network operation center



in the next news ...



ergo-net



ERGO-NET is the natural substitute of our SPAZIO Lan, designed to be used in combination with **ERGO-NOC** consoles for control rooms, and with technical and aesthetics improvements in line with the last trends of the market in terms of evolution and space adaptability.

new website

Don't forget to visit our new website with a fresher image and discover the new product releases. A helpful tool to find the best product for your needs.

www.saifor.com



Would you like to be a SAIFOR partner

We are looking for dealers & strategic partners in any part of the world.

If you are interested, please contact our Export Department at saifor@saifor.com, or calling us at +34 937 718 338.



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