

## **ITINSELL CLOUD DATACENTER TECHNICAL SPECIFICATIONS**



**DATACENTER**

A background image showing rows of server racks in a datacenter, with some racks having blue and green indicator lights.

**IT INFRASTRUCTURE & CRITICAL CLOUD SERVICES**  
AGILE MANAGED SERVICE PROVIDER SINCE 1998



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# TABLE OF CONTENTS

<b>I.</b>	<b>PRESENTATION OF THE GROUP .....</b>	<b>3</b>
<b>II.</b>	<b>SERVICES.....</b>	<b>4</b>
1.	COLOVATION SERVICES.....	4
2.	PRIVATE SUITES .....	4
3.	DEDICATED CUSTOMER EXTRANET.....	4
<b>III.</b>	<b>TECHNICAL SPECIFICATION.....</b>	<b>5</b>
1.	THE ITINSELL CLOUD DATACENTER .....	5
a.	<i>Flood risk.....</i>	6
b.	<i>Seismic hazards.....</i>	6
c.	<i>Lightning hazards.....</i>	6
d.	<i>Fire Hazards .....</i>	6
e.	<i>Industrial Hazards.....</i>	7
f.	<i>Transportation of Dangerous Goods.....</i>	7
g.	<i>Aviation Hazards.....</i>	7
h.	<i>Economic Risks.....</i>	7
i.	<i>Human Access.....</i>	7
j.	<i>Hardware Access / Safe .....</i>	7
k.	<i>Access Control &amp; Intrusion Control .....</i>	8
l.	<i>Telecom.....</i>	8
m.	<i>APC Netshelter Racks.....</i>	9
n.	<i>Respect for the environment.....</i>	9
o.	<i>Redundancy devices.....</i>	10
p.	<i>Contract Availability .....</i>	10

## I. Presentation of the group

"Since 2008, ITinSell has been publishing state-of-the-art SaaS solutions to optimize logistics flows and reduce the environmental impact of its customers. Awarded several times for its innovative solutions, the group strengthens its services through the acquisition of ASP Server, a company specialized for 20 years in the Cloud, Datacentre and Cybersecurity thus becoming the ITINSELL CLOUD entity. »

It is therefore with the strength of a Software Editor, Integrator and Datacenter Group as well as a vision focused on the eco-responsible optimization of activities and products that we approach this new dynamic.

The general organization implemented by our group in the service of the digital and digital transformation strategy of its customers, allows us to position ourselves throughout the value chain as a major player in Datacenter, Provider and Security.

We offer Cloud hosting and IT Externalization solutions thanks to our teams and our sovereign Datacenter certified ISO 27001, HDS and PCI-DSS on all these services.

Our organization is based on a real desire to place the individual at the heart of our corporate culture driven by the group's values: Excellence, Transparency, Innovation, Benevolence, Team Spirit.

Our IT strategy is based on the culture of strong differentiators from our competitors, particularly in terms of proximity, availability, performance, security and quality of service.

We are aware that even if the excellence of the infrastructures constitutes the solid foundations of a hosting project, no project is viable without a local, efficient and controlled customer support. We like to think that our customers are first and foremost our best partners and we are fortunate to be able to count on them to demonstrate the good performance of the commitments we make to them on a daily basis.

**ITINSELL CLOUD's** teams support customers in their data hosting and IT outsourcing challenges.

Located in La Ciotat (13), our Datacenter of more than 4000 m<sup>2</sup> is ISO 27001, HDS and PCI-DSS certified, thus guaranteeing the security, sovereignty and eco-responsibility of our services. Our sovereign Datacenter, located at the heart of the world's 5th largest interconnection hub, offers a full range of cloud services tailored to our customers' needs, including:

- Provision of racks and colocation
- Data & Cloud Server Hosting
- Data Backup & Recovery Solutions

Our team is made up of highly skilled professionals in the fields of IT, including hosting, outsourcing, security and project management. Our core values are based on excellence, team spirit, innovation, transparency and caring.

We encourage innovation and growth in the field of information technology.

## II. Services

### 1. Colocation services

ITINSELL offers the following data center colocation services:

- Bay rental
- Server Leasing
- Eyes & hands (proximity gestures) or complete outsourcing in 24/7
- Fiber, MPLS, VPN, Wireless Interconnection
- Transit IP
- Managing IP Address Classes (RIPE Members)
- 24/7 security
- Monitoring and remote monitoring

### 2. Private Suites

ITINSELL CLOUD offers to study for you all the construction of private suites within its Datacenter in La Ciotat. In partnership with APC by SCHNEIDER (world leader in Datacenter) and APL France (experts for 32 years in the audit and design of Datacenters), we are able to respond pragmatically to the most demanding specifications.

On request, we offer dedicated environments eligible for certifications (ISO 27001, ISO 9001, HDS PCI-DSS, Under Defense Confidential, ZRR) and the highest availability standards (ITER III+, TIER IV).

### 3. Dedicated Customer Extranet

Our dedicated client extranet compatible with tablets and mobiles allows you to manage and monitor all the services of your Datacenter remotely.



### III. Technical Specification

#### 1. The ITINSELL CLOUD Datacenter



**Created in 2009, our next-generation data center offers unique features on the market.**



#### **Seamless uptime**

Proven by an independent body since commissioning in 2009: energy 100%, air conditioning 100%, network 100%.

These results are made possible by the systematic use of quadruple redundancy for all critical systems in the data center (Uptime Institute's TIER IV design).



#### **Respect for the environment**

With a PUE (Power Usage Effectiveness) of 1.5.



#### **Density**

Up to 7kVA.

Our Datacenter is able to accommodate the most energy-intensive modern systems such as hyper-converged solutions (NUTANIX, CISCO UCS), BLADE servers or supercomputers.

a. Flood risk

The risks are reduced to a value close to zero:

- The Netcenter site is located on a hillock (altitude 100 meters) and is not subject to runoff and mudslides.
- The Datacenter site has a sophisticated rainwater drainage network and drains (VRD at your disposal).
- The greening of the land helps to reduce the risk of flooding.
- The Netcenter is built on stilts.

b. Seismic hazards

Situation of the municipality with regard to the regulatory zoning for the inclusion of seismicity (pursuant to Decree 91-461 of 14 May 1991, as amended, relating to the prevention of seismic risk).

- The commune is located in zone 0 (negligible seismicity).
- The Datacenter has an anti-seismic design (pillars on shock absorbers).
- The building is equipped with seismic detectors on alarms.

c. Lightning hazards

The average annual rainfall is 570 mm. La Ciotat holds the record for sunshine per year in France with 2800 hours. The risk of lightning strikes is negligible.

The building is protected by double-skin metal cladding.

d. Fire Hazards

Insurance Code Compliance (APSAD), Telecommunications Codes and Labor Code.

SIEMENS fire suppression system in cleanrooms, equipment safe nitrogen extinguishing with dual detection (VESDA detector).

The building is protected by a self-contained firefighting system. RIA, 2 fire brigade access terminals, fire extinguishers, outdoor foggers, 3 million litre autonomous tanks and sprinklers on the administrative buildings.



Autonomous tank with fire-fighting network.

e. Industrial Hazards

Unlike the Marseille Datacenters (ARKEMA plant), our Datacenter is located outside the SEVESO zone.



f. Transportation of Dangerous Goods

The building is located about a hundred meters from a secondary road, an explosion located on the road axis does not impact the building.

The building is equipped with 70 shock detectors on the alarm.

g. Aviation Hazards

The building is not located in an air corridor.

We note, however, the sporadic presence of the Canadairs of the civil security.

h. Economic Risks

ITINSELL CLOUD is an entity of the ITINSELL Group.

i. Human Access

- Parking with 150 spaces.
- Gate and automatic barriers managed by the security PC.
- Access to the data center via automatic SAS.
- Access control using magnetic badges and biometric readers.
- Sectorized badges.
- Reception and registration at the security headquarters in 24/7.

j. Hardware Access / Safe

The building has an internal unloading dock with BRINGS type SAS for delivery trucks.

The disembarkation dock is at the same level as the clean room, with no slopes or steps.

The floor load is 1200 Kg/m<sup>2</sup>.

The storage warehouse is secure and monitored, and can be used to store sensitive equipment. Our Datacenter has a 25m<sup>2</sup> reinforced concrete safe protected by an armored door. The latter has badge access control with monitoring and access register. The trunk is equipped with a surveillance system consisting of 4 cameras as well as shock and seismic detectors.

#### k. Access Control & Intrusion Control

- 24/7 monitoring.
- The building is the former site of GEM+ for the manufacture of smart cards, which was classified as a secret at the time.
- Access control is entrusted to a set of badge readers and biometric readers connected to an access management system and several autonomous control panels.
- The access control boxes operate in standalone mode on battery power, a software or server failure does not impact access control.
- The accesses are sectoralized, no one can access a perimeter other than the one assigned to them.
- An entry/exit record is kept and kept for life.
- The entire building is under anti-intrusion radars (360° and curtains).
- All car parks and areas around the building are equipped with anti-intrusion barriers
- The building is equipped with a network of more than 40 cameras. Recordings are kept for 30 days on digital media.
- The perimeter of the building is surrounded by wire mesh topped with barbed wire.
- All security resources are centralised on an access control system.
- The building is guarded 24/7 by a security organization.
- Management of the keys to the technical rooms via two electronic cabinets with access control.



#### l. Telecom

The data center is connected to the Internet via 4 optical fibers using different penetration points in the building.

The fibers are operated and monitored 24/7 and under contract with GTR less than 4 hours.



The maximum capacity is 10 Gbps. The equipment is in 2N active/active redundancies. ITINSELL CLOUD is connected to the INTERXION Marseille MRS1 meet-me-room, allowing our customers to interconnect with any operator.

m. APC Netshelter Racks

Large rack with advanced cable management options for high-density server and networking applications.

Max heights: 1991 mm (42 U)  
Max width: 750 mm  
Max depth: 1200 mm  
Weight Capacity : 1363.64 Kg  
Rack Width: 19"  
Color: Black  
Supplied with the containment blank panel  
Compliance: RoHS, REACH, Pep, EOLI



n. Respect for the environment

The combined use of state-of-the-art eco-efficient technologies allows us to achieve a PUE (Power Usage Effectiveness) of 1.6



EcoAisle is an intelligent thermal containment solution designed to improve cooling system efficiency while protecting both mission-critical IT equipment and personnel. The EcoAisle system's Active Flow Control (AFC) feature provides information to the cooling systems to achieve the right cooling air flow for the load on the IT equipment. This reduces fan consumption compared to traditional cooling systems.

The inverters are based on APC's patented Double Conversion technology. This allows them to achieve an efficiency of 95%, the best of all in-line double conversion inverters on the market. They reduce power, cooling and maintenance costs by up to 35% load.

o. Redundancy devices

**Energy redundancy:**

Two active channels (A and B) each with its own transformer, TGBT and generator set.

**Inverter redundancy:**

Two active channels each in N+1

**Generators:**

Groups in constant preheating, automatic start in less than 2 minutes.

Diesel autonomy 12 hours

**Air conditioning redundancy:**

Chilled water production units in N+2.

APC In Row Precision Air Conditioners.

p. Contract Availability

Contract availability in accordance with the TIER IV standard, i.e. greater than 99.995%

	Tier I	Tier II	Tier III	Tier IV
Minimum Capacity Components to Support the IT Load	N	N+1	N+1	N After any Failure
Distribution Paths - Electrical Power Backbone	1	1	1 Active and 1 Alternate	2 Simultaneously Active
Critical Power Distribution	1	1	2 Simultaneously Active	2 Simultaneously Active
Concurrently Maintainable	No	No	Yes	Yes
Fault Tolerance	No	No	No	Yes
Compartmentalization	No	No	No	Yes
Continuous Cooling	No	No	No	Yes