



## DATA CENTER VENDOR STATEMENT

### THIS VENDOR STATEMENT PRODUCED BY BLACKNIGHT.

#### CONTACT DETAILS:

Gianni PONZI

email: gianni.ponzi@blacknight.com

tel: +353 59 918 3072

Blacknight is a 100% Irish owned and based in Ireland, ICANN accredited domain registrar and hosting company. Recipients of several awards for their revolutionary use of social media, Blacknight are one of Europe's most cutting edge Internet companies. Blacknight Internet Solutions Ltd (Blacknight) is specialising in serving the hosting and co- location needs of business, both large and small. Blacknight is a member of the IIA, ISPAI, INEX, RIPE, AFNIC and Nominet. Blacknight is also a Microsoft Certified Partner, holding the Hosting Solutions competency.

#### Organisation Structure

Blacknight is an Irish limited company limited by shares registered with the CRO and is not part of any group or affiliated with any other companies. Blacknight currently have two offices in Ireland. In addition we hold 3 satellite offices in France and Germany. In our primary location we maintain a constant staffing level of approx. 35 staff including the business principles. This is broken down into 2 owners, 7 technical support people, 6 engineers, 7 developers, 6 sales and 5 accounts / billing.

SENSORPRO have been a valued customer of Blacknight since 2008. Their footprint comprises domains and collocated servers (behind managed firewalls) , which are supported 24/7 by the Blacknight on-call engineering team. The servers are located in a shared colocation rack comprising of 6u footprint. The locked rack is located in a Blacknight specific suite to which only Blacknight staff and data centre operatives have access. Access to the rack must be agreed 24 hours in advance and request for access must come from the account holder. Colocation customers are accompanied by a member of Blacknight's staff. Blacknight are PCI compliant.

The servers are connected to a resilient mesh network comprising three carriers and 2 local peering connections over three data centres. The loss of a carrier or peer in one data centre means traffic is rerouted to other links. The core network has recently been upgraded to 10G. Each data centre comprises two distinct network racks with fully redundant networking at each layer. Each data centre has redundant n+1 power, UPS and generator backups. All data centres adhere to Ashrae guidelines and have VESDA early smoke detection or similar detection systems.

All of Sensorpro's collocated servers are situated behind a clustered Cisco ASA firewall. All firewall changes are subject to a change control process and can only be requested by the account holder. All of the above is fully contained within the Blacknight network, which is wholly owned and managed by Blacknight. Blacknight's infrastructure is currently housed in 3 data centres. 2 in Dublin, as well as Blacknight's own data centre situated in Carlow.

#### Facility Brief Overview:

Our server infrastructure, from which the above is being provisioned, is based in Ireland's leading Internet Data Centre in Dublin, which is ISO and BS certified for information security management systems. High performance, sensitive electronic equipment requires precise, reliable control of room temperature, humidity, and airflow. Blacknight employs fully redundant individual close control air conditioning units based on a chiller and dry cooler system. The equipment is configured to monitor many variables and send alerts when entering the predetermined criteria ranges (e.g., high or low temperatures, high or low humidity, smoke detection, and mechanical problems)

Variables: - 22 degrees Celsius (plus or minus 2 degrees C) - Relative humidity 50% (plus or minus 10%) - Air filtration to class EU5

**Security:**

Video surveillance cameras monitored by the security control room 24/7 Security breach alarms  
24-hour security personnel CCTV cameras mounted inside and outside of each ISC Data centres  
comprise a biometric security and/or Proximity card access systems with mandatory pre-approved  
client lists and mandatory sign-in/sign- out procedures.

**Internal Cabling:**

All cabling to customer locations originate from diverse points within the facility and are distributed  
via in-house cable trunking. Copper, Coaxial and Fibre Optic cabling are delivered by multiple  
cable baskets in the floor void running through common service areas. The baskets are made of  
galvanised steel and are connected to the building grounding system. All cable runs are  
documented and are installed and maintained by qualified engineers.

**Connectivity & Bandwidth:**

We provide a multi-homed, managed Internet access service that provides the ultimate in  
availability, performance, and scalability. We connect you directly to multiple backbone Internet  
Service Providers through private transit connections. The data centre facilities we use, can  
provide 100% network uptime by utilising to the fullest their Carrier neutral status and diverse fibre  
ducting to empower our Blacknight Mesh network.

**This comes in 4 layers of redundancy, which are highlighted below.**

Layer 1 Multiple Tier-1 ISPs and Internet Exchange peering agreements

Layer 2 Diverse local loop providers connect Blacknight Net to each ISP

Layer 3 Fully Redundant BGP/OSPF enabled network

Layer 4 Use of Virtual Router Redundancy Protocol (VRRP) to provide physically redundant Fast  
Ethernet or Gigabit Ethernet connections from separate access layer switches to our equipment  
cabinets

The Blacknight network mesh uses two or more local carriers at any one time to ensure that the  
network has no single point of failure, and insures that we are the best connected in any part of this  
country and or the World. Current carriers include: Telia, Level (3), Cogent

Current Peering includes: INEX LAN#1

INEX LAN#2

**Fire Protection:**

60 minute rated firewalls VESDA (Very Early Smoke Detection) type air-sampling system. This  
system actively and continuously samples air and operates independently of air movements. The  
samples are exposed to a high-intensity and broad-spectrum light source. Incident light scattered  
from smoke particles in the air sample passes through a series of optical components to a solid-  
state light receiver. Light is converted to an electronic signal and passed to the control system,  
which is monitored on a 24/7 hour basis automatically by qualified staff. Ionisation, Optical and  
Rate-of-Rise Smoke, and Heat Detectors INERGEN inert gas fire suppression system will instantly  
extinguish any fire.

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