NRB DATA CENTRE SERVICES

HOUSING - COLOCATION - MANAGED SERVICES

SECURE - COST EFFICIENT - SCALABLE - REDUNDANT - CLOUD READY

NRB

DARING TO COMMIT

YOUR NEEDS

- You need to upgrade or update your ICT infrastructure?
- You plan to install major new applications and want to assure your ICT environment is up to it.
- You are short of the right competences to assure continuity and performance of your ICT environments.
- You are not 100% sure you can stay compliant to all new demands in terms of security and data protection (GDPR)?
- Maybe it is time to think about outsourcing ICT?

WHY WOULD YOU OUTSOURCE THE HOUSING AND OR MANAGEMENT OF YOUR ICT INFRASTRUCTURE?

PROXIMITY

- Have full control of and access to your data. All data centre infrastructures of NRB are based in Belgium. Your systems, applications and data remain in Belgium and are always at hand. As is the management of The NRB Group and your dedicated account manager.

STABILITY

- Take advantage of one the best secured data centres in Belgium. Recently built by specialist engineers, complying with the Tier 3 standards of the Uptime institute and completed with all state of the art equipment assuring physical and logical security. Cutting edge technologies for intrusion detection, fire detection and extinguishing systems, 24/ 7 video surveillance and 24/7 monitoring and control services (NOC).

- Have the ease of mind knowing your data are safe at all times. The data centre infrastructures of the NRB Group are located on two sites at a distance of 30 km, and connected through dark fibre assuring full redundancy.

TIME SAVING

- Shorten your time to market thanks to ready to use ICT environments.

- Extend or re-enforce the ICT support of your business in a matter of hours.

- Stop investing time in ICT maintenance and support.

COST EFFICIENCY AND SCALABILITY

- Avoid major investments in hardware and data centre infrastructure and just pay according to your needs.

- By-pass the dilemma of overinvesting in (future-proof) technology and or entering the zone of underperforming ICT supporting systems by making use of perfectly scalable ICT infrastructures that fit your business needs at any given time.

- You only pay for your actual use, so your costs will be largely operational expenditures (OPEX). Our solutions allow your TCO (Total Cost of Ownership) to be significantly reduced, as you can benefit from the shared technical infrastructure of our data centres.

RISK CONTROL

- Assure the physical and digital integrity of your data, your applications and your systems.

- Secure the continuity of your services to your customers thanks to uninterrupted services of your ICT systems.

- Know that even in case of major disasters, your systems, applications and data will remain available thanks to fully redundant geo-resilient data centre infrastructures and appropriate plans for disaster recovery (DRP) and business continuity (BCP).

IMAGE AND TIME TO MARKET

- Safeguard your image towards your customers as a reliable trustworthy partner.

- Make sure your business can keep pace of the rapidly evolving market demands thanks to a fast and responsive ICT environment.

FOCUS ON YOUR BUSINESS

- Focus on your core business and have the specialists of NRB taking care of your ICT infrastructure.

- Stop investing in recruiting or building technical ICT competencies within your own organisation.

OUR HOUSING OR COLOCATION SERVICES

The NRB engineers physically install your servers in one of the NRB data centres and take care of:

- The physical access control
- Video surveillance
- Cooling

- Power supply
- Network and telecom connection
- Fire detection and control

… while you keep full control of the management of your servers and applications.

	1 Fully serviced rack	Private Cage
Rackspace	42 usable U Rackspace	Starting from 10 racks
Patching	Patching: optical and copper patch panels in each rack	
Connectivity	Connectivity Options: MMR, Managed Network (1Gbit or 10Gbit), Managed Security (FW, LB), Internet breakout (from 10 to 1000Mbit)	
Security	Secured Rackspace (unique key)	Secured Cage
Cooling	Cooling (cold corridor) included	
Metering	Real-time Metered power consumption per rack	
Power consumption	Power consumption : - **Low Power Pack :** 2 x 16A 2,7kW - **Medium Power Pack :** 2 x 32A 5,4kW - **High Power Pack :** 4 x 32A 10,8kW	Maximum peakload per rack 64 Amp

IF NEEDED WE CAN OFFER HANDS AND EYES ON SITE (OPTIONAL)

Instead of using your own or external technicians to send on-site, you can also rely on our qualified staff for various 'remote hands and eyes' tasks. Our staff is 7 days a week and 24/24 hours at your disposal.

You can utilise our highly-skilled staff through an on-demand or scheduled basis. This service enables you to have your own staffing focus on servicing your business.

THIS SERVICE CAN COVER:

- Pre-cabling patch panels and equipment
- Technical support and troubleshooting
- Removing, installing and configuring equipment (IMACD)

- Performing visual inspections
- Power cycling a switch, router, server, ...
- And more ...

NRB DATA CENTRE INFRASTRUCTURE

The NRB Group disposes of a fully redundant data centre infrastructure based upon two sites at a distance of 30 km with a resilient dark fibre connection between them using different paths.

NRB DARING TO COMMIT   **BelgiumDC**

Geo-resilient ICT Infrastructures

NRB DARING TO COMMIT

HERSTAL (LIÈGE)

3 DATA CENTERS

10 TELECOM PROVIDERS

2 SITES

+30KM ⋮ Dark Fibers

SELF—SUFFICIENT IN ENERGY

1 DATA CENTER

VILLERS-LE-BOUILLET (PROVINCE OF LIÈGE)

BelgiumDC

THE NETHERLANDS

BELGIUM

Brussels

Liège

Namur

FRANCE

LUXEMBOURG
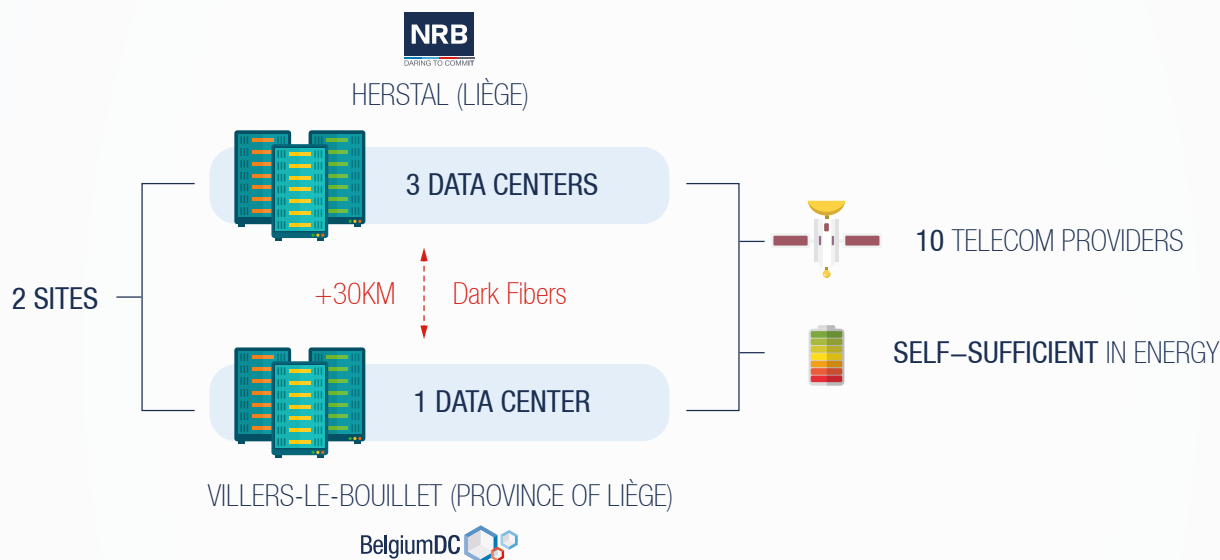
*Resilient connection using different paths

SITE 1: NRB HERSTAL DATACENTRE
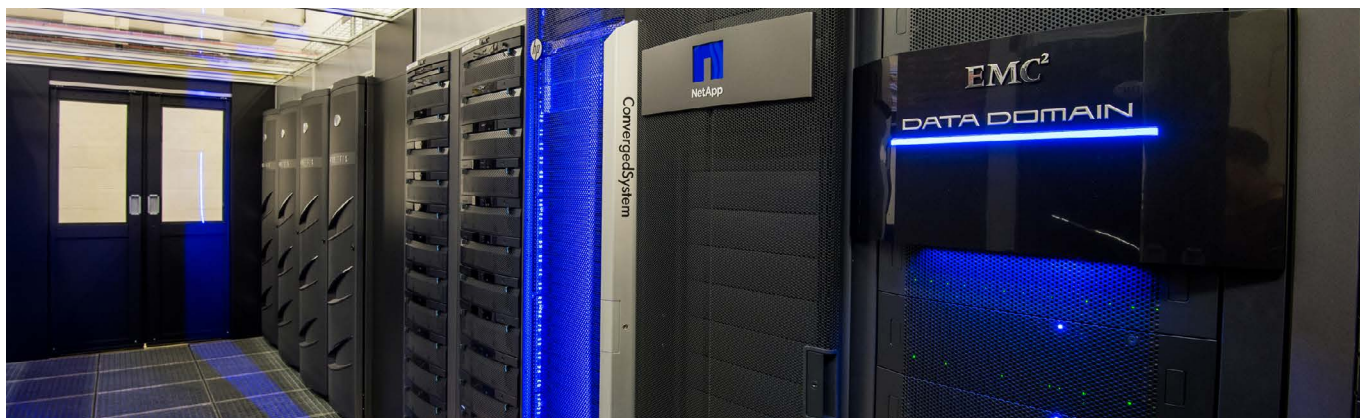
Built in Q2 2014	600 sq m of IT room	600 KVA of IT power	99,995% Uptime

This data centre is based in Herstal, near Liège, on the same site as NRB's headquarters. It is built, owned and managed by NRB, the 3rd largest ICT-services group in Belgium. It complies to the Tier 3 (+) level of the Uptime Institute and has a capacity of 385 racks.

SITE 2: BELGIUMDC

Built in Q3 2017	3x300 sq m of IT room	3x300 KVA of IT power	99,995% Uptime

BelgiumDC is a brand new, Tier 3+ and carrier neutral data centre built by a joint venture between NRB, one of the leading ICT service providers in Belgium, and Etix Everywhere, the European specialist in the construction and management of data centres. Based in Villers-le-Boullet, this site is at 30 km from the NRB headquarters and data centre in Herstal, close to the border with The Netherlands and Germany.

AVAILABLE CARRIERS

As a carrier neutral data centre, BelgiumDC #1 offers you the choice between a variety of telco operators providing multiple fiber connections to the data centre.

We regularly add new operators to broaden your choices.

TECHNICAL DESIGN BELGIUMDC

Facility

- 1,396m² facility
- 300m² of IT room (extendable to 900 m² in a matter of months)
- 125 racks capacity (extendable to 375 racks)
- Space available for secure customer storage
- Private car park and loading area

Power

- 300 KVA for IT equipment (extendable to 900 KVA in a matter of months, similar to the IT room
- 3 independent power sources (Gensets, UPS and Switchboards)
- Double supply point
- Up to 10 kW per cabinet
- 1.3 PUE with 100% of IT load
- 99.995% uptime

Cooling

- 3 independent cooling sources
- Indirect cooling (no mix between outside / inside air)
- Free cooling technology
- Cold-aisles

Security

- Early fire detection
- Inert gas extinguishing system
- Proven low-noise extinguishing with no risk of server failure
- 24/7 video surveillance
- 24/7 NOC services

Network

- Carrier-neutral data centre
- Global, national and local carriers
- 2 separate points of entry (MPOEs) and fiber conduits
- 2 separate telco distribution cabinets
- Choice between fiber connection and RJ45

Monitoring

- Access Management app (web + iOS + Android)
- Issue tracking app
- Transparency on infrastructure issues

NRB DATA CENTRE BENEFITS

- Green IT
- Security
- Flexibility
- Capacity

- Internet backbone
- Carrier neutral
- International reach
- Open market place

Full DRP Proof	Green DC	TUI: Tier III+	Cloud Ready
Cluster Latency Proof	Cold Corridor & Airflow control	Redundant Grid Connection	Pay as you go Service Units
Big Data Throughput	Warm Ambient	Redundant UPS & Power Generation	Proven Private Cloud Ready
Loadbalanced & Redundant Interconnect	Active Power Metering	Automatic Fire Detection & Supression	On/Off premise interconnect ready
30 Km Geographical Separation	Redundant Free Chilling & Cooling	Triple Access Control Layers	Local & Public Cloud Bursting ready
RTO/RPO ZERO Ready	PUE <= 1,35	24/7 Managed Operations	

SOFTWARE DEFINED NETWORK (SDN) - HIGHER HA

- ▶ **High Availability**
- ▶ **Load Shared**
- ▶ **Georesilient**
- ▶ **Replicated**

VILLERS-LE-BOUILLET

HERSTAL

Brussels

Liège

Namur
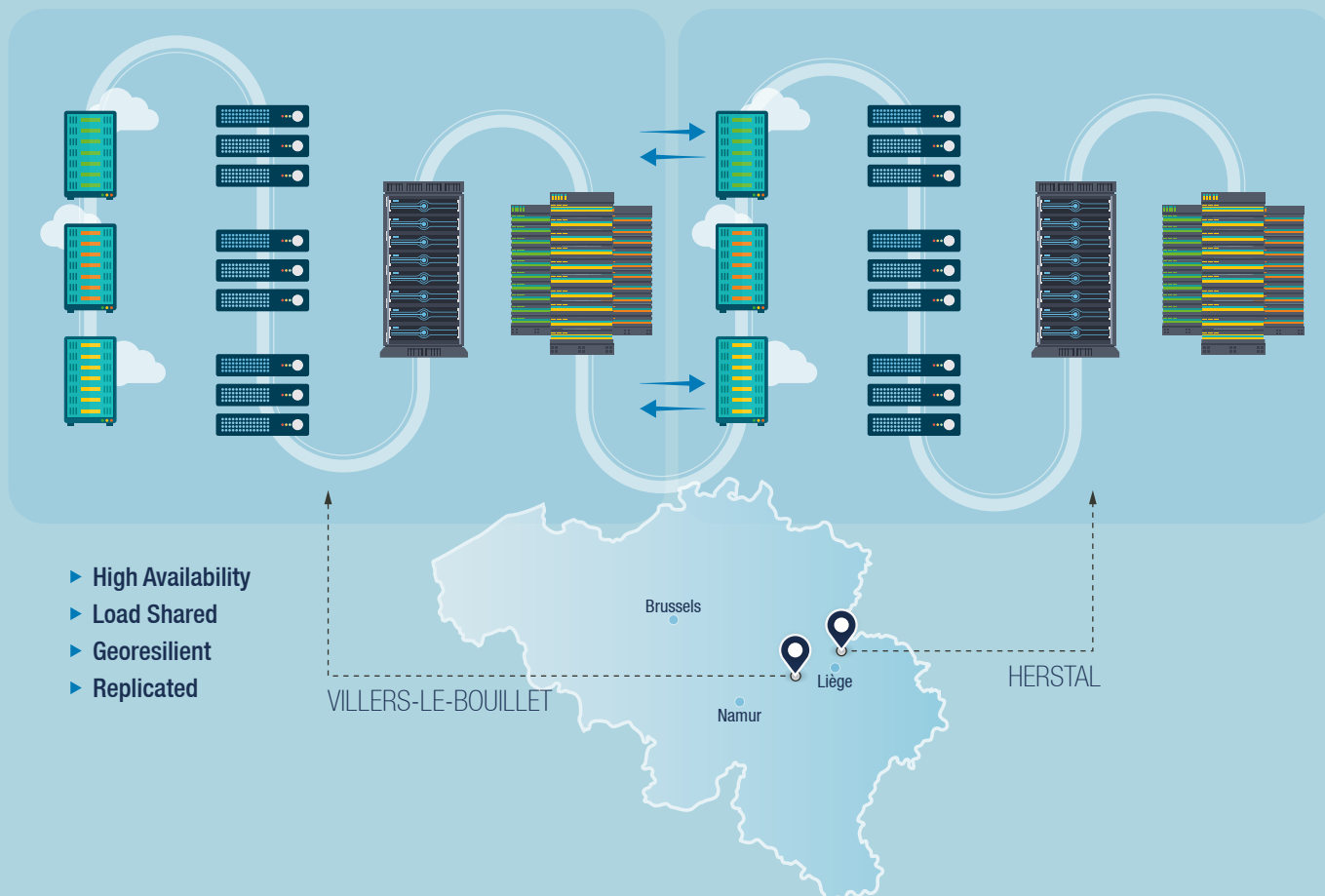
NRB MANAGED SERVICES

YOU CHOOSE THE SERVICE THAT CORRESPONDS TO YOUR NEEDS

Depending on your specific ICT environment, your resources and the level of support you need, you can choose the right level of outsourcing agreement with NRB. Apart from housing your servers in our data centres, NRB can indeed offer you custom made and on demand services; from housing, to hosting and managed services to private cloud or even hybrid cloud services. Moreover, you can opt for a phased approach and sit together with our ICT-consultants to design the best possible roadmap.

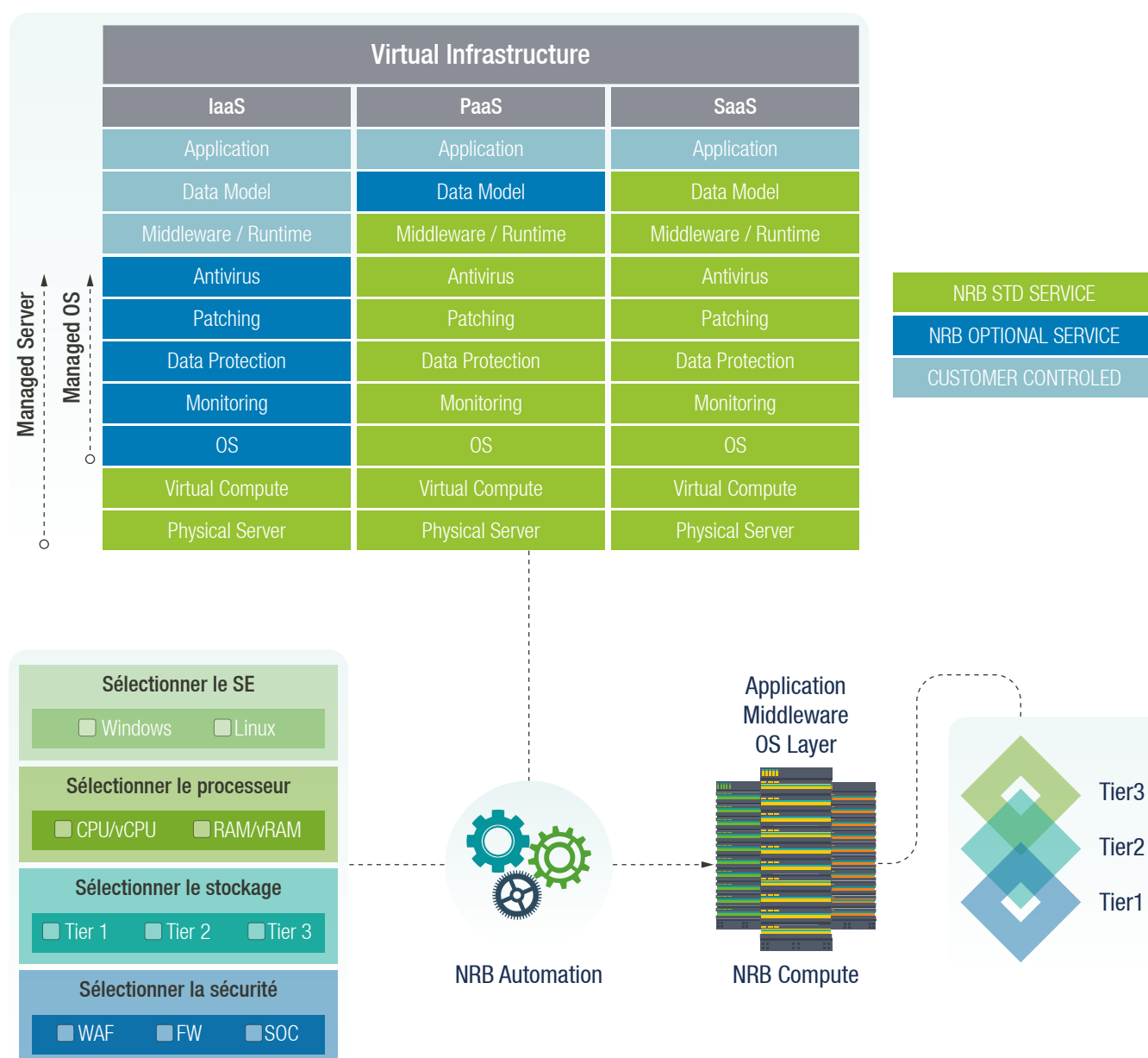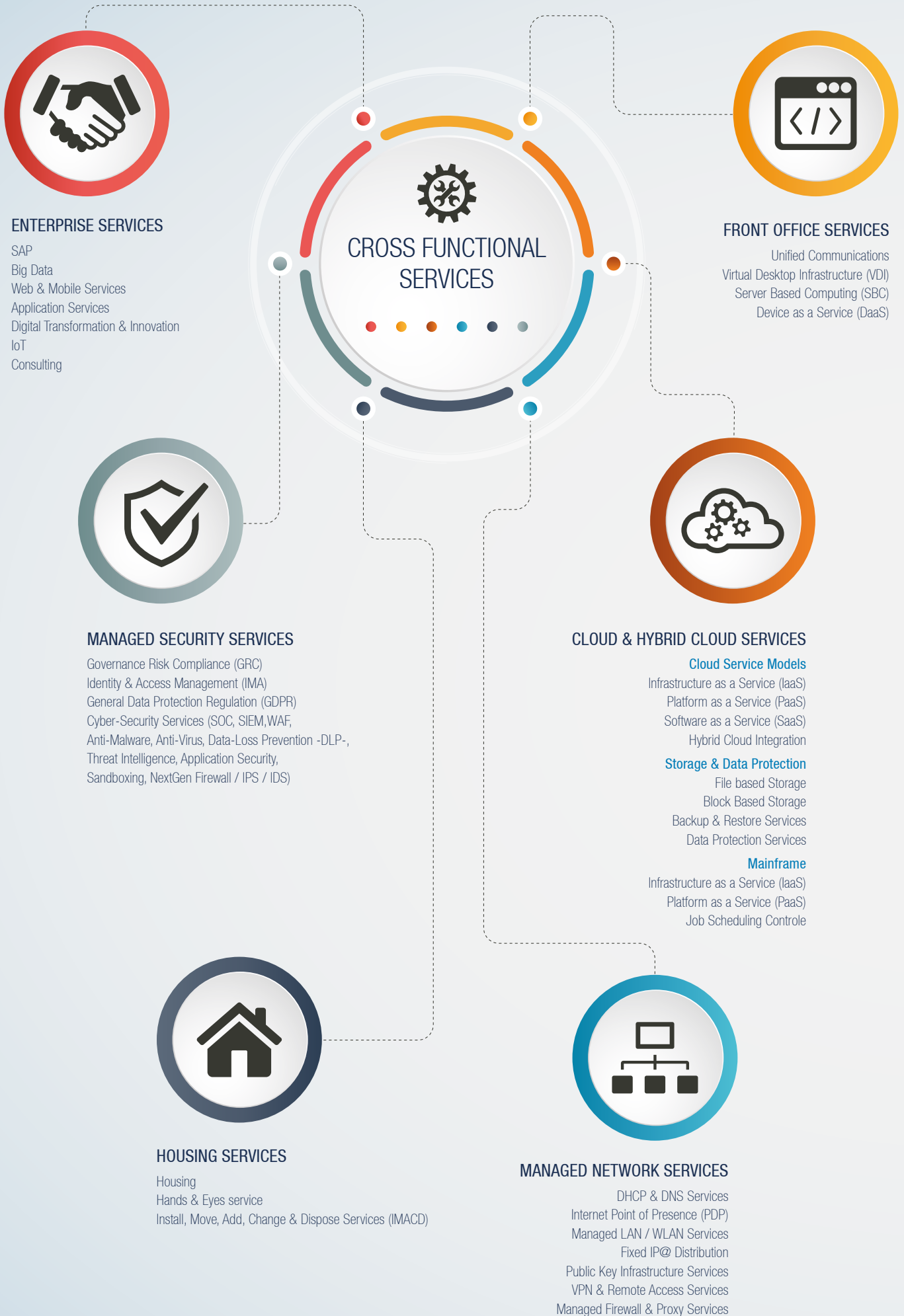NRB positions itself as a one stop shop in terms of IT infrastructure services and as such has developed a service catalogue covering all the major infrastructure services from housing to the more complex and tailor made enterprise services.

CLOUD ENABLEMENT SERVICES MODEL

Virtual Infrastructure		
IaaS	PaaS	SaaS
Application	Application	Application
Data Model	Data Model	Data Model
Middleware / Runtime	Middleware / Runtime	Middleware / Runtime
Antivirus	Antivirus	Antivirus
Patching	Patching	Patching
Data Protection	Data Protection	Data Protection
Monitoring	Monitoring	Monitoring
OS	OS	OS
Virtual Compute	Virtual Compute	Virtual Compute
Physical Server	Physical Server	Physical Server

Managed Server
Managed OS

NRB STD SERVICE
NRB OPTIONAL SERVICE
CUSTOMER CONTROLED

Sélectionner le SE
☐ Windows   ☐ Linux

Sélectionner le processeur
☐ CPU/vCPU   ☐ RAM/vRAM

Sélectionner le stockage
☐ Tier 1   ☐ Tier 2   ☐ Tier 3

Sélectionner la sécurité
☐ WAF   ☐ FW   ☐ SOC

NRB Automation

Application
Middleware
OS Layer

NRB Compute

Tier3
Tier2
Tier1

CROSS FUNCTIONAL SERVICES

ENTERPRISE SERVICES

SAP
Big Data
Web & Mobile Services
Application Services
Digital Transformation & Innovation
IoT
Consulting

FRONT OFFICE SERVICES

Unified Communications
Virtual Desktop Infrastructure (VDI)
Server Based Computing (SBC)
Device as a Service (DaaS)

MANAGED SECURITY SERVICES

Governance Risk Compliance (GRC)
Identity & Access Management (IMA)
General Data Protection Regulation (GDPR)
Cyber-Security Services (SOC, SIEM,WAF,
Anti-Malware, Anti-Virus, Data-Loss Prevention -DLP-,
Threat Intelligence, Application Security,
Sandboxing, NextGen Firewall / IPS / IDS)

CLOUD & HYBRID CLOUD SERVICES

Cloud Service Models
Infrastructure as a Service (IaaS)
Platform as a Service (PaaS)
Software as a Service (SaaS)
Hybrid Cloud Integration

Storage & Data Protection
File based Storage
Block Based Storage
Backup & Restore Services
Data Protection Services

Mainframe
Infrastructure as a Service (IaaS)
Platform as a Service (PaaS)
Job Scheduling Controle

HOUSING SERVICES

Housing
Hands & Eyes service
Install, Move, Add, Change & Dispose Services (IMACD)

MANAGED NETWORK SERVICES

DHCP & DNS Services
Internet Point of Presence (PDP)
Managed LAN / WLAN Services
Fixed IP@ Distribution
Public Key Infrastructure Services
VPN & Remote Access Services
Managed Firewall & Proxy Services

WHY WOULD YOU APPEAL TO NRB?

- NRB is one of the major ICT groups in Belgium with more than 30 years of experience in servicing key players in the public and private sector in Belgium.

- NRB assures its autonomy by having and managing its own primary and secondary (DR) ICT infrastructure. You can thus rely on one single partner for your primary and secondary data centre services.

- All data centre infrastructure of The NRB Group is based on the Belgian territory; your data do not leave the country, you know exactly where they are and you have access at any given moment.

- NRB is ISO27001 certified, this certificate is delivered by an international acknowledged institution (Lloyds) which guarantees independent third party control and audits. The certificate assures that all your (sensitive) data is securely stored and managed at all times.

- All NRB's management is based in Belgium. Top management is always just one phone call away, as are our commercial teams. The proximity to our customers is one of our main assets.

- The ICT infrastructure of the NRB Group is amongst the most advanced on the Belgian market. NRB has continuously been investing in cutting edge technology to stay in sync with the fast evolving business needs and demands of our customers.

- 'Daring to commit' is the company's baseline: not only we dare to commit to demanding SLA's and customer satisfaction, we stand for long term partnerships of trust with our customers.

- The partnership with ETIX Everywhere enables NRB to offer international solutions to its (international) customers thanks to their global network of data centres.

VISIT OUR DATACENTRES – DISCUSS YOUR ICT PLANS OR ROADMAPS – GET A QUOTE

Are you interested in visiting one of our data centres, or in discussing your ICT infrastructure needs, your potential roadmap to the cloud or even to receive a quote for housing or hosting; please feel free to contact us.

CONTACT

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NRB
DARING TO COMMIT

bsi.
ISO 9001:2015 Quality Management
ISO/IEC 27001 Information Security Management
FS 706532   IS 706533