

A globe is centered on the left side of the image, rendered in a glowing green and yellow color. The globe is overlaid with a complex network of white and green lines and dots, representing a global network or data flow. The background is a dark blue gradient with a subtle pattern of interconnected nodes and lines, creating a sense of depth and connectivity.

# REINVENTING THE NETWORKS

# THE 21<sup>ST</sup> CENTURY CHALLENGE

The opportunities, challenges and threats facing IT departments today look very different from what they were just a few years ago. In a very short time since the 21st Century began, the trend broadly termed as “Digitalization” has made the consumer king and has transformed the 21st Century Enterprises’ expectations from IT. The 21st Century Enterprise is driven by certain characteristics such as “Experience-Centric”, “Service-Oriented” and “Outcome-based”. As enterprise embark on a Digital journey and look for revenue models in uncharted areas such as IOT, these tenets become central to the new business model. But to be able to offer experience-centric, service-oriented and outcome-based services, all aspects of IT need to be realigned to the new normal.

As businesses reinvent and transform themselves, only the enterprises that can compete through technology innovation, acceleration and flexibility will survive. As platforms such as Dockers and Containers redefine application hosting and programming undergoes innovations such as “microservices”, the network needs to be open yet secure, agile yet scalable, and easy to administer yet flexible enough for real time business changes.

## WHAT’S DRIVING THE CHANGE

### It’s not only about volume

New technologies such as cloud, BYOD, and big data analytics—are redefining how business gets done today, the network plays a vital part in enabling these technologies, which have aggravated the demand for bandwidth, throughput and zero latency, anywhere, and whatever be the device. BI Intelligence forecasts that 40,000 Exabytes of data will be generated globally by 2020. Hybrid IT and the Internet of Things (IoT) are ratcheting up these network pressures even further. This brings with it humongous possibilities to transform business model and so are the challenges associated with supporting and managing the corresponding data explosion and unpredictable network connectivity.



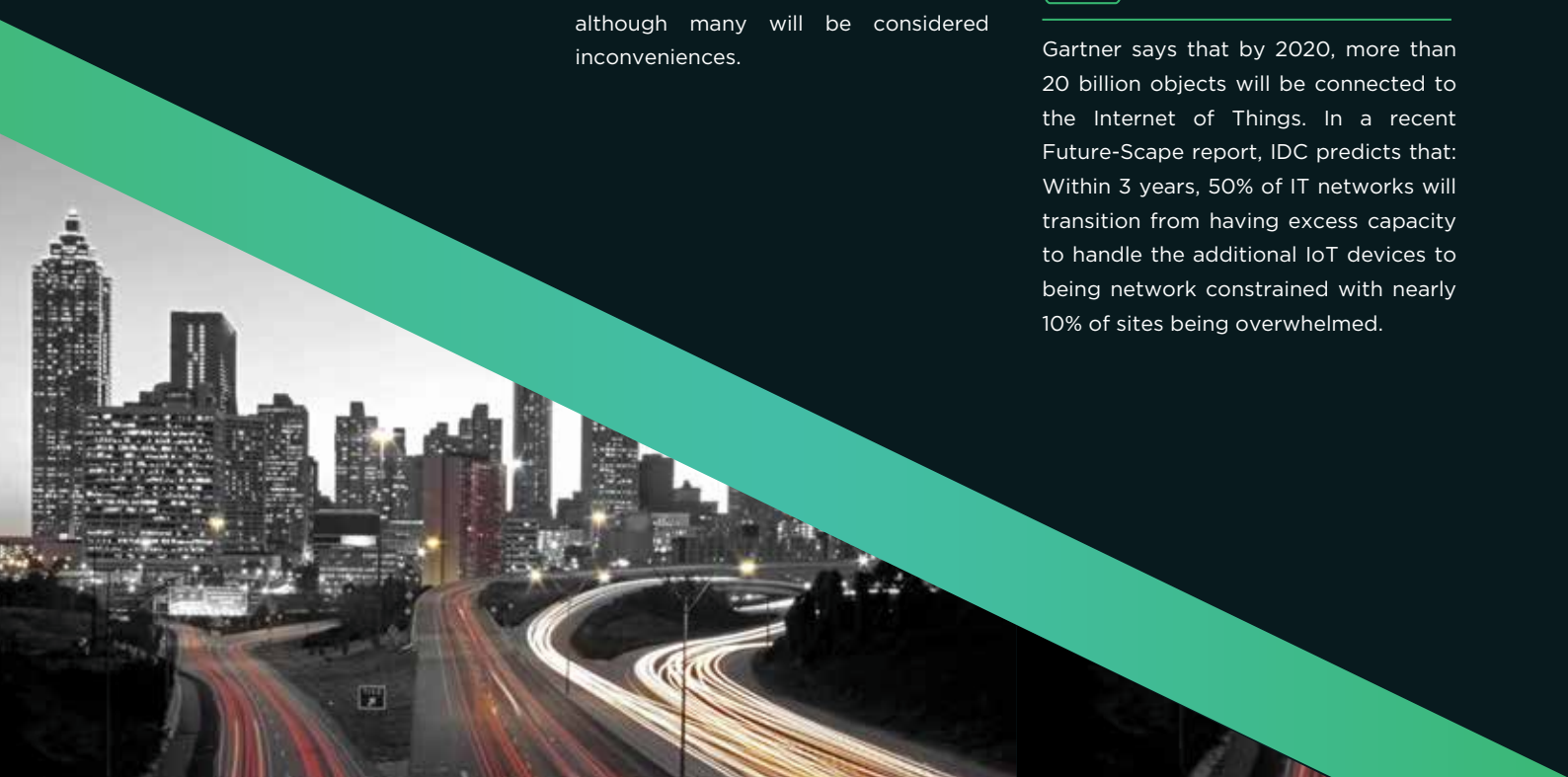
By 2018, 40% of IoT-created data will be stored, processed, analyzed, and acted upon close to, or at the edge, of the network.



Within 2 years, 90% of all IT networks will have an IoT-based security breach, although many will be considered inconveniences.



Gartner says that by 2020, more than 20 billion objects will be connected to the Internet of Things. In a recent Future-Scape report, IDC predicts that: Within 3 years, 50% of IT networks will transition from having excess capacity to handle the additional IoT devices to being network constrained with nearly 10% of sites being overwhelmed.



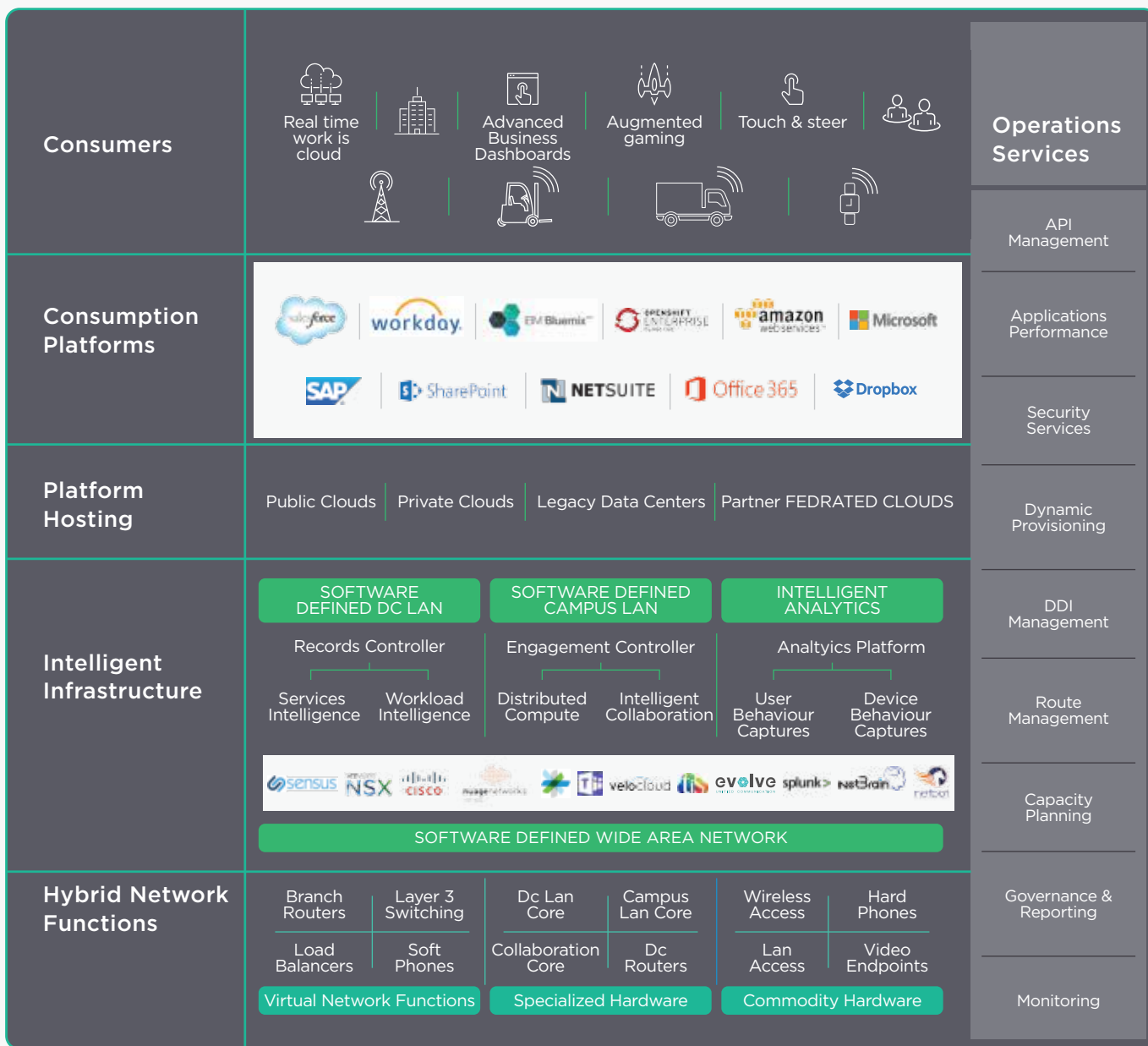




There is no doubt that network automation, scalability, and security form key success factors for Digital (r)evolution. Enterprise networks, the platform that business run on, need to transform for enterprise IT to be able to offer these new capabilities.

At HCL we future proof your network infrastructure with our end-to-end portfolio of network services. Our network services encompass strategy, design and implementation across a range of network requirements: Software defined DC & WAN, unified communications & collaboration and network automation.

## HCL's NEXT GENERATION NETWORKS FRAMEWORK



# HCL's SOLUTIONS FOR NEXT GENERATION NETWORKS

## TRANSPORT INDEPENDENT SITE



A framework to facilitate enterprise movement towards transport (MPLS /Internet) agnostic architecture. It has a 'Network Service Node (NSN)' module that enables secure and direct connectivity to public clouds, laying the foundation of a hybrid cloud

- Lean & agile network with software defined ecosystem
- Flexibility to connect to network & cloud providers

## EVOLVE



HCL Evolve helps interconnect multiple UC solutions and give an endpoint agnostic collaboration platform where any IP telephony endpoint irrespective of the make can fully leverage its available audio and video functionalities

- Deep level real time analytics & insights
- Single pane of glass web based GUI and workflow structure
- Pay as you grow

## SENSUS



A framework that takes into consideration a broad range of engineering and architecture parameters in defining the right SDN strategy. This include the entire lifecycle of services for SDN keeping overall synergies and holistic IT approach in mind

- Network agility
- Minimum migration effort
- Vendor neutral approach
- HCL Sensus certified team

## NetBot



A solution to automate the complete operational lifecycle of network devices from provisioning to policy based change management, compliance and security administration. Automation is integrated into the very fabric of NetBot

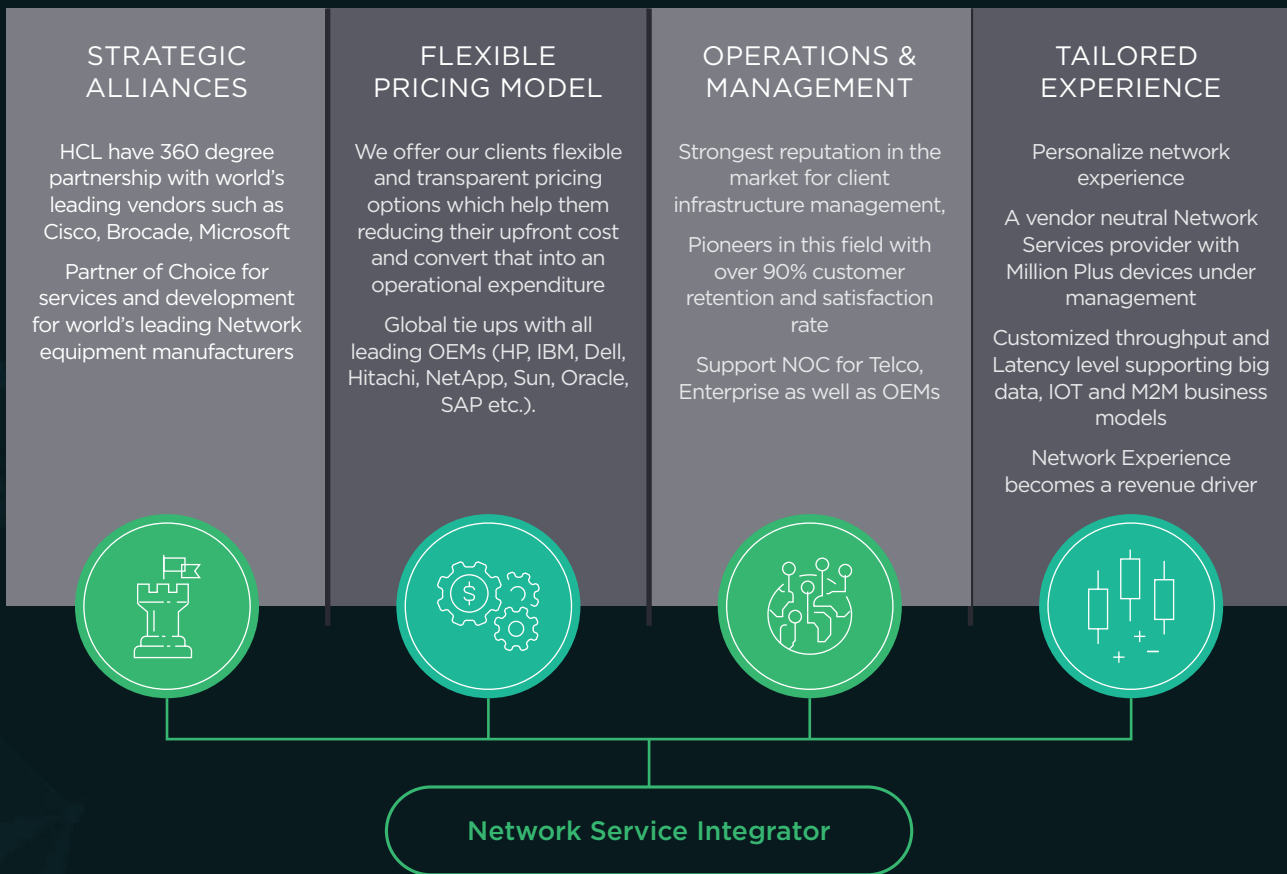
- Improved staff efficiency & increased ROI
- Reduced risk & business loss
- Blind spot elimination, Network agility



# WHY PARTNER WITH HCL

HCL network services is adapting its offerings to the changing enterprise business and digital needs by embracing the most relevant trends around IoT, SDN, and collaboration and communications with a differentiated positioning as a 'Network Service Integrator'

NSI framework enables enterprise manage the service providers in a consistent and efficient way, making sure that the performance across a portfolio of multi- sourced goods and services meets user's needs. While processes encompass a value chain, which has many touch points within the enterprise IT landscape, orchestrating these processes enable integration of multiple process areas and function areas across the extended enterprise to allow seamless flow of operational pipeline across multiple providers.



The company developed a long-term network practice that defines four essential growth pillars. The first two pillars — "Lead" and "Reposition" — largely consist of the network service's current business portfolio and new growth opportunities. The third and fourth pillars — "Disrupt" and "Extend" — form the basis to develop a leading position in the network transformation and virtualization business, including new opportunities around Internet of Things. The company developed a long-term network practice that defines four essential growth pillars. The first two pillars — "Lead" and "Reposition" — largely consist of the network service's current business portfolio and new growth opportunities. The third and fourth pillars — "Disrupt" and "Extend" — form the basis to develop a leading position in the network transformation and virtualization business, including new opportunities around Internet of Things.

HCL has strong partnerships with leading technology and services vendors, which enables the company to foster innovation and offer best of breed services and solutions to its customers. At the same time, HCL strongly focuses on close partnerships with start-ups to seek new business opportunities and innovate around emerging technologies.



# HCL NETWORK PRACTICE



**250+** Customers

Data center Networks, WAN Networks,  
Corporate LAN Redesigns, Voice  
migration and Transformations.



**360** Degrees

partnership ranging from product  
development, beta testing and  
implementation



**25+** years' experience  
of working with 70+ Telcos and  
25+ OEM platforms



**\$10 Mn**

Invested in State of the art labs



**\$350 Mn**

In annual revenue and growing



**100+**

SDN Certified Resources

PAC (A CXP Group company) publishes an exclusive report on HCL offerings in DACH market. HCL's unique next gen network services & carefully devised localization strategy is creating substantial value for customers in DACH market.

↓ Download the report [here](#)

✉ To know more contact us at [ITO@hcl.com](mailto:ITO@hcl.com)

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**HCL**