

# Challenges in the construction industry

Construction output continued its recent decline in the three-month on three-month series, falling by 2.7% in March 2018, the biggest fall seen in this series since August 2012. What can explain this decline?

## Challenges

### An ageing workforce

22% of the construction industry's workforce is aged 50-60 years. There has been a failure to promote the profession to school leavers; it will be a struggle to replace retirees.

### Globalisation

In an atmosphere of economic and political uncertainty, many British-based construction businesses are putting their energy into international projects and acquisitions. This brings all sorts of logistical and technical challenges.

### Delivering on time and on budget

This is always a challenge in construction. Productivity and maintenance of equipment can make or break a successful delivery, and present additional challenges: keeping track of your workforce, monitoring to make sure your raw materials are being transported efficiently by your fleet...

## Solution

The construction industry needs to show that they are tech-savvy in order to appeal to the younger workforce. This means embracing new ways of working: Mobile, Unified Communications, Real Time Collaboration and Agile flows.

To extend their borders effectively and safely, Construction businesses have to partner with organisations delivering global services in lean model (with agility). As they enter new markets, it is a strategic priority to secure themselves against cyberattacks.

There is a growing dependence on innovative products and services delivered through Cloud. These allow projects to flex up and down as required.

To balance cost savings and performance, companies are using a range of models including Pay as you go, server-less, orchestration and decentralisation.

## Building a sustainable partnership with the Construction industry

We understand your technology strategy needs to be designed to enable change. This will give you the freedom to evolve your business model according to changing user needs and expectations whilst embracing technical innovation.

Here are some of the key areas in which our technology we can help your business grow:

## What you need

### Reliable high-speed connectivity

Experiencing downtime or slow Internet connectivity on-site can be irritable and costly. Access to your project extranet and working drawings is vital for construction companies. You need the Network you use to be fast, and operational.

### Unified Communication

A mobile workforce need the same access to tools and experience as they would have in the office. This should extend to the partner eco-system, allowing them to integrate and collaborate with relative ease.

### Cloud optimisation

As more organisations adopt a 'Cloud First' strategy, they need to make sure their fixation on cloud doesn't lead them to neglect the underlying connectivity delivering services to both temporary/fixed offices and project sites.

## Our Network

Our Enterprise-class Network has grown organically, meaning we run homogenous technologies. We deliver multiple solutions (such as Private, Hybrid & Public Cloud services, Remote Desktop, and Unified Communications) via one pipe, on the clean side of the firewall.

## What we give you

### 100GigE robust Network

This model ensures 100% Network visibility and control, and is covered by a single end-to-end SLA. Furthermore, we have been on a three year journey with our SD-WAN platform, which makes us a leading innovator in this space.

### Voice services

We offer business tools including IM, desktop sharing and video conferencing to enable your employees to work more productively. As well as SIP Trunking and Hosted PBX options, we work with all traditional communications technologies as well as Skype for Business Enterprise Voice.

### Layer 2 Network underpinning

In a bandwidth-hungry digital landscape, the Network is the Cloud, driving 50% of the value Enterprises can expect from their Cloud investments. We know that your Cloud is only as good as your Network.

If your Network is our Network, it will be very good – a Layer 2 VPLS Network offering seamless interoperability right into the Cloud infrastructure.

## About Exponential-e

Innovation is at the core of Exponential-e, and has been since our inception in 2002. We wholly own our super-fast Network, and our fusion of complementary technologies - a carrier-class Network and Cloud infrastructure - means we can deliver enterprise applications at wire speed for a superior end-user experience. We deliver scalable, dynamic and bespoke solutions. Renowned for our responsiveness, coupled with our customer centric approach, and a UK based 24 / 7 x 365 service desk, means we offer unrivalled expertise.

To find out more about Exponential-e visit [www.exponential-e.com/construction](http://www.exponential-e.com/construction) or email [info@exponential-e.com](mailto:info@exponential-e.com)



Exponential-e Ltd  
100 Leman Street, London E1 8EU



Telephone  
+44 (0) 845 470 4001



Visit the website  
[www.exponential-e.com](http://www.exponential-e.com)