

# Digital Vision for Supercomputing & Big Data

**£241 billion**

added by Big Data revolution to the UK GDP by 2020<sup>1</sup>

**88%**

of global enterprise data still unexploited for better business insights<sup>2</sup>

**300%**

is the projected increase in artificial intelligence investment globally in 2017<sup>3</sup>

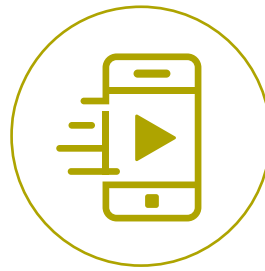
## Information centric

organisations are 110% more valuable than their less analytically driven peers<sup>4</sup>



**93%**

of UK adults own a smartphone<sup>5</sup>



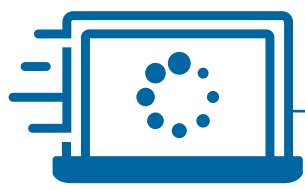
**75%**

of mobile data traffic will be video content in 2020<sup>6</sup>



**50bn**

connected objects around the world by 2020<sup>7</sup>



## Global live internet stats<sup>8</sup>

44,005GB of internet traffic per second  
59,945 Google searches per second  
68,990 YouTube videos viewed per second  
2,583,435 emails sent per second (67% of which is SPAM)

**3.6 billion**

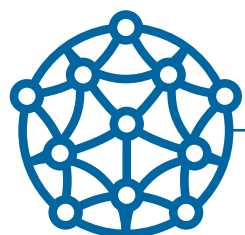
internet users worldwide<sup>9</sup>

**Stored data**

is growing at 4x the speed of the world's economy<sup>10</sup>

**1.7 megabytes**

of new information will be created every second for every human being on the planet by the year 2020<sup>11</sup>



**100.2 zettabytes**

projected global Big Data traffic by 2020<sup>12</sup>



**1 trillion-fold**

The increase in computing performance 1956-2015<sup>13</sup>



**20 million PCs**

The equivalent performance of the Bull Sequana supercomputer by 2020<sup>14</sup>



**97%**

of global companies that adopted HPC could no longer compete or survive without it<sup>15</sup>

Trusted Partner for your Digital Journey

**Atos**

<sup>1</sup> <http://www.techuk.org/insights/reports/item/9469-the-uks-big-data-future-mind-the-gap>  
<sup>2</sup> <http://resources.idgenterprise.com/original/AST-0127029-The-Forrester-Wave-Big-Data-Hadoop-Solutions-Q12014.pdf>  
<sup>3</sup> <https://go.forrester.com/wp-content/uploads/Forrester-Predictions-2017-Artificial-Intelligence-Will-Drive-The-Insights-Revolution.pdf>  
<sup>4</sup> <https://atos.net/en/solutions/atos-codexinsight-driven-outcomes/atos-codex-consulting>  
<sup>5</sup> [https://www.gov.uk/government/uploads/system/uploads/attachment\\_data/file/577906/CONNECTED\\_FUTURE\\_ACCESSIBLE.pdf](https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/577906/CONNECTED_FUTURE_ACCESSIBLE.pdf)  
<sup>6</sup> <http://www.techuk.org/insights/reports/item/10388-5g-can-be-transformative-for-the-uk>  
<sup>7</sup> <https://www.linkedin.com/pulse/supercomputers-new-superpowers-economy-thierry-breton>  
<sup>8</sup> <http://www.internetlivesstats.com/>  
<sup>9</sup> <http://www.cloudnews.com/every-day-big-data-statistics-2-5-quintillion-bytes-of-data-created-daily/>

<sup>10</sup> <http://www.cloudnews.com/every-day-big-data-statistics-2-5-quintillion-bytes-of-data-created-daily/>  
<sup>11</sup> <https://www.forbes.com/sites/bernardmarr/2015/09/30/big-data-20-mind-boggling-facts-everyone-must-read/#46a3ccf217b1>  
<sup>12</sup> <http://www.visualistan.com/2016/12/big-data-present-and-future-infographic.html>  
<sup>13</sup> <http://pages.experts-exchange.com/processing-power-compared/>  
<sup>14</sup> <https://www.linkedin.com/pulse/supercomputers-new-superpowers-economy-thierry-breton>  
<sup>15</sup> <https://ascert.atos.net/hpc-yes-i-want-my-supercomputer/>