

THE FUTURE OF IT



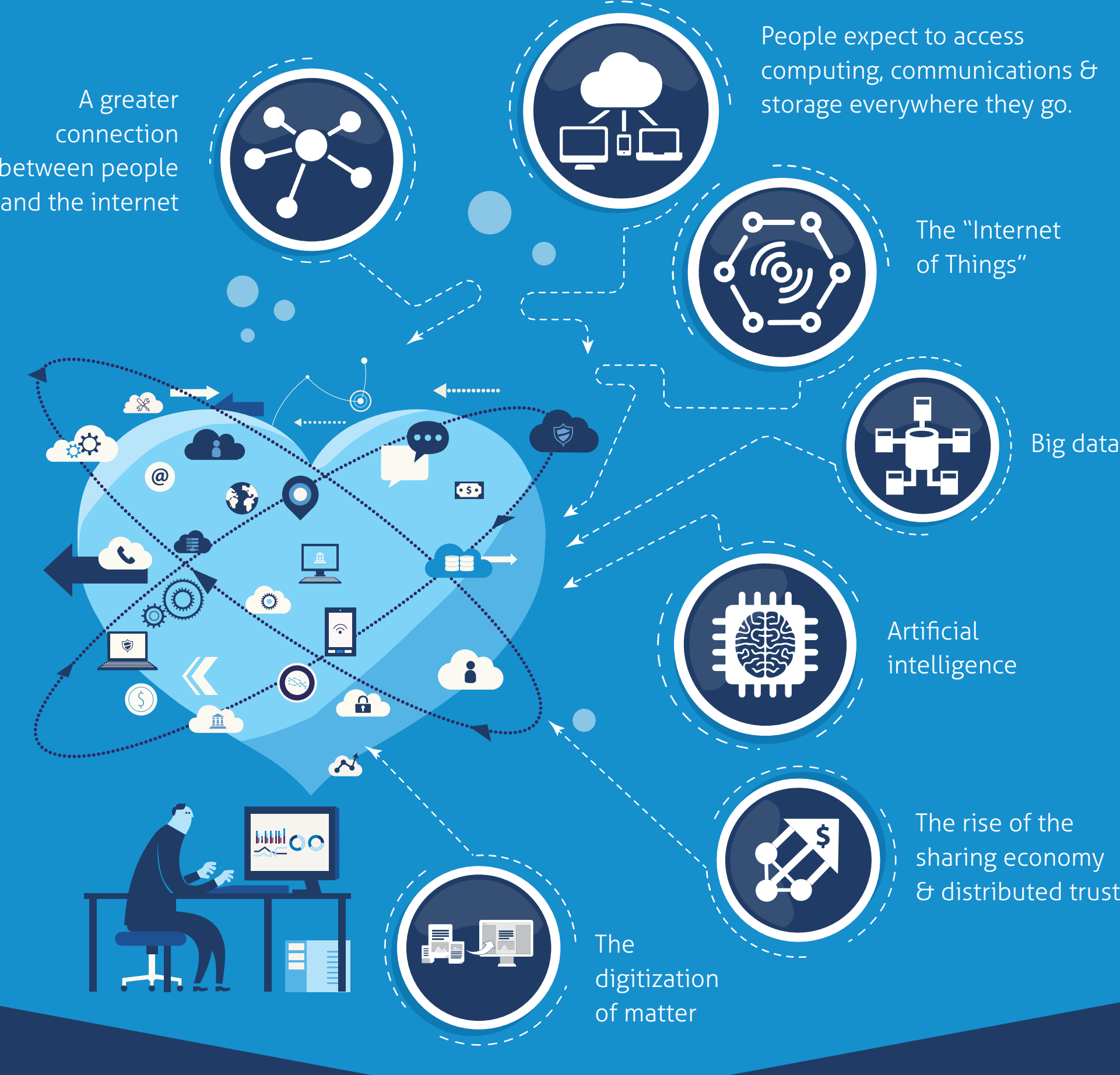
Technology is rapidly changing at a staggering pace. This has driven an increased demand for highly competent IT professionals. What do these professionals need to know to prepare for the future?

Let's take a look at the future of IT.

IT TRENDS SHAPING THE FUTURE

Many mega trends are influencing how technology will be utilized in the future.

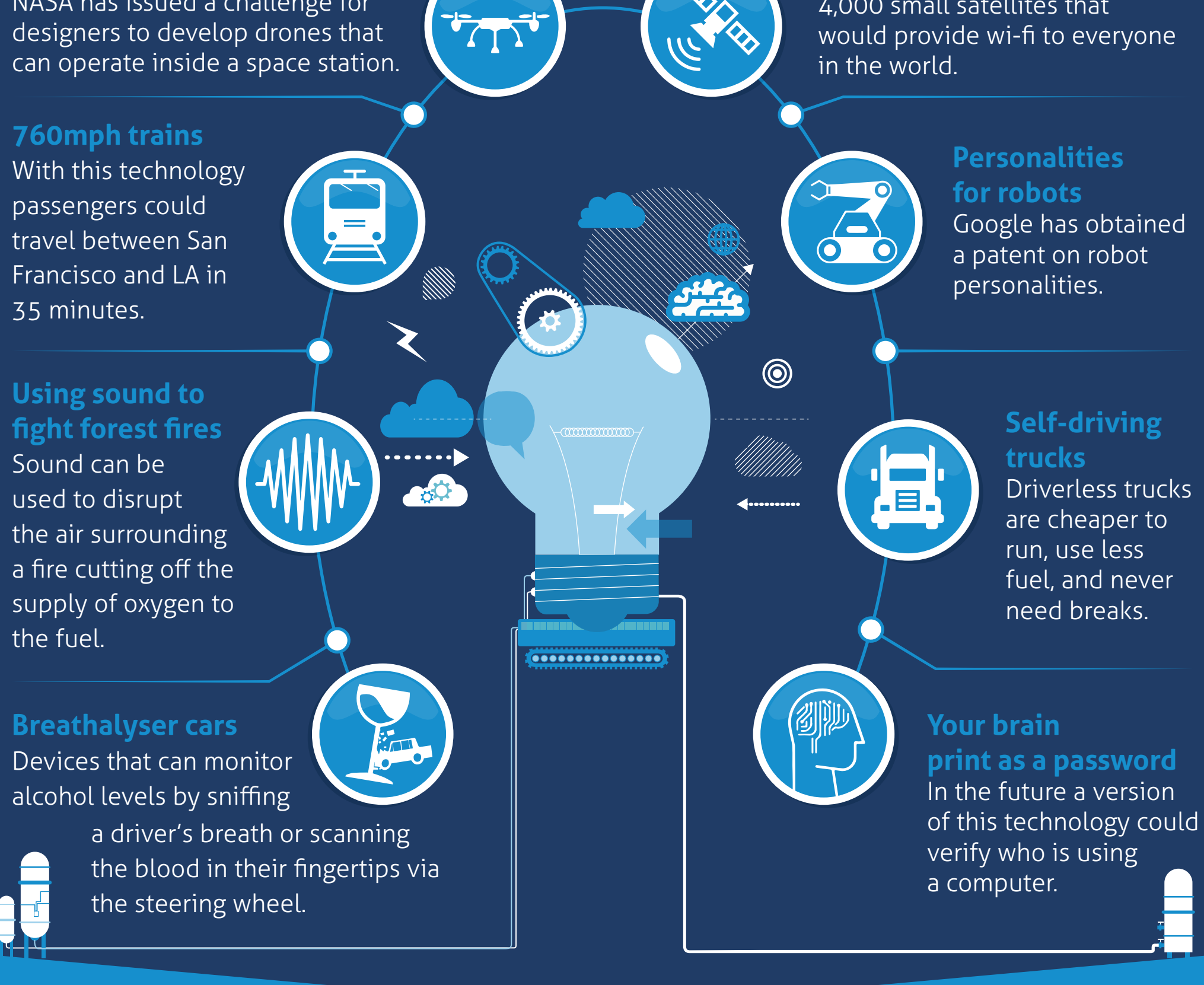
These trends include:



IT TECHNOLOGY OF THE FUTURE

Technology will look a lot different in the future.

Here are some of the technologies that will be shaping our world in the future:



IT JOBS IN THE FUTURE

To take advantage of the trends and technologies, here are some of the IT jobs which will be in demand in the future:

Cognitive computing engineer/machine learning specialist, Remember IBM's cognitive initiative, Watson, which became a "Jeopardy" champion?, Cognitive systems are becoming a very large part of IBM's business plan and other companies are following. The demand for cognitive computing skills is growing and colleges are starting to offer courses and programs that address this need.

BLOCKCHAIN ENGINEER

- Many startups are recruiting engineers and developers who are familiar with the technologies behind bitcoin.
- They want people who have experience in cryptography, distributed systems, hash algorithms, and more.
- Bitcoin's core technology, the blockchain, is very intriguing to organizations.
- More than 200 companies and open source projects are seeking to apply blockchain technology to applications such as trading platforms, secure identification cards, and self-executing contracts.

GPU CLUSTER ENGINEER

- GPU computing improves application performance by offloading compute-intensive portions of the application to the GPU, while the remainder of the code still runs on the CPU.
- This advantage is key to companies like Facebook, China's Baidu, and Experian that deal with enormous data sets.

Computer security incident responder

- Cyber security specialist has been an in demand job for some time.
- Incident responders are the people who deal with the effects of an attack or an exploit.
- They understand security information and event management (SIEM).
- SIEM combines a number of functions into a single system and centralizes event logs and other security-related documentation for analysis.

VIRTUAL REALITY ENGINEER

- Virtual reality is expanding beyond being exclusive to just gamers.
- For example, the New York Times, is one of the first newspapers to begin using the virtual (and Google Cardboard) as a storytelling tool.
- Goldman Sachs predicts that virtual reality will generate \$110 billion, compared to television's \$99 billion, in 10 years.

INTERNET OF THINGS ARCHITECT

- Everything is starting to connect to the internet of things.
- Verizon recently posted a job for an "IoT solutions architect."
- People who can work with this technology will be able to shape the future and remain in high demand.

The future of technology is bright. Those who understands the IT trends, uses, and jobs of the future will remain in demand. They will be the people who work with the technology that shapes the world.

SOURCES:

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