

European Space Capability



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Despite the inherently global nature of the space industry, it comes as no surprise when clients and users of space want work done in a particular country. It could be for reasons of national security, political, economic reasons, or for social or geographic reasons such as the local environment or the distribution of people and resources.

Many countries feel that applications of space are a high growth area and one that is attracting investment even though other government activities face cutbacks. A good example of this is the interest governments are currently paying to future applications of the Galileo satellite navigation constellation, in particular around the secure services area. Whatever the reason or the programme, CGI's space business has capabilities throughout Europe. Different countries are centres of excellence in particular specialist subjects, however our skills and technologies are also transferable so we can pull together a team with the expertise you need, wherever you need it.

CGI Space in Germany

We have a team of experts working at the European Space Operations Centre (ESOC) in Germany for over 35 years and it now numbers over 100. Here, our experts work alongside ESA and its contractors on spacecraft operations and ground control systems, and in particular applying conventional information technologies such as networking, cloud, or knowledge management to the unique needs of space users.

CGI Space in France

Most of our capability in France is consulting led. For example, we helped ESA evaluate its sustainability footprint, and our France-based consultants are leading a study on the delivery of eHealth by satellite to the sub-Saharan African region. Our team of space experts is based in Toulouse, but we have offices across France.

CGI Space in the Netherlands

Our Dutch business is a centre of excellence for smart transport and mobility so it comes as no surprise that we have a lot of satellite navigation expertise in the Netherlands and deliver Galileo from there. We are close to the European Space Research and Technology Centre (ESTEC) – ESA's technology and research arm – and have several framework contracts there.

CGI Space in UK

The UK forms the engine room of CGI's space business and is where much of our heritage lies. Our UK experience dates back to 1970 when we started our first space project for the precursor of ESA. We have worked on some of the

DID YOU KNOW?

- Our software has supported the missions of more than 200 satellites
- We delivered systems that produce weather satellite images and data for Europe, Africa, East Asia, Australasia and the Pacific and Indian Oceans, covering a population of over 3 billion people
- We delivered the Galileo satellite constellation control facility that will control all of Galileo's 30 satellites – Europe's strategically important satellite navigation system
- We are a European leader in military satellite communications ground segment systems
- We are the largest independent supplier of security systems for ESA's Galileo programme

"CGI is an important player on Galileo CGI's ability to combine leading security capability with the implementation of complex technical systems is central to the success of Galileo."

European Space Agency (ESA)

most prestigious space projects - from delivering mission-critical software for the Cassini-Huygens programme, to our multiple engagements on Europe's Galileo, to the UK Skynet 5 military satellite programme.

CGI Space in Portugal

Our space business here is very much in its infancy. However, as CGI's Iberian presence stems from our acquisition of Edinfor – the IT arm of the national utility company Energias de Portugal – we have substantial expertise in the region of smart grids, and GIS technologies, and we see great synergy between these and our space business.

CGI Space in Sweden

We are the largest IT services and outsourcing provider in Sweden. Our Swedish operation uses infrastructure management and cloud computing to help global businesses stay agile and competitive. We house the bulk of our server farms in Sweden as the naturally cool climate provides an environmentally friendly and cost effective venue to house data.

CGI Space in Norway

We work with some of the largest organizations in Norway such as Norges Bank and Statoil. Our space business is quite young, however our team is already engaged in exciting earth observation research work on the subject of sea ice, and in applications of satellite navigation in high latitudes.

CGI Space in the Czech Republic

In the Czech Republic we are extremely well known for our security expertise and help several large financial organisations there with aspects of security. Specifically, in the space domain, we are helping the Czech government understand how to make the best use of Galileo, especially with regards to security.

CGI Space in Estonia

Our Estonian centre of excellence is technology led, and has supported Estonia's first satellite launch, on May 7, 2013, by building the satellite's ground station control software. It was built using Hummingbird, a leading open source mission control software platform.

Why CGI?

The space industry is not constrained by national boundaries and neither are we. We are present in 40 countries around the globe and can bring our experts from these nine centres of space excellence to you. Our client list is a 'Who's Who' of the space industry, including European Space Agency (ESA), Astrium, EUMETSAT, Eutelsat, Inmarsat, SES and Thales Alenia Space.

We add value by providing solutions and services that ensure space assets perform perfectly first time, through the ground or mission control infrastructure, or on-board software. We provide services that help space companies to operate efficiently. We make sure satellites deliver the benefits they promised, by using our experience of the downstream business sectors such as finance, transport and energy to deliver winning applications.

ABOUT CGI

With over 68,000 professionals in 40 countries, CGI fosters local accountability for client success while bringing global delivery capabilities to clients' front doors.

Founded in 1976, CGI applies a disciplined delivery approach that has achieved an industry-leading track record of on-time, on-budget projects.

For over 35 years we have worked in the Space industry delivering complex, mission-critical space systems. Our solutions are secure, often in complex technical environments, proven to work first time, every time, ultra-reliable and delivered on time to avoid costly delays.

We work on the major European navigation, communication and earth observation programmes and are specialists in space security and ground control systems. We share innovative uses of space and satellite technology with commercial organisations to help them solve their business problems effectively. Our software has supported the missions of more than 200 satellites.

Our high-quality business consulting, systems integration and outsourcing services help clients leverage current investments while adopting new technology and business strategies that achieve top and bottom line results.

As a demonstration of our commitment, our average client satisfaction score for the past 10 years has measured consistently higher than 9 out of 10.

For more information about CGI, visit www.cgi-group.co.uk/space or email: enquiry.uk@cgi.com or tel: +44 (0)845 070 7765

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