

CGI Satellite Resource Planning Software



CGI provides solutions for the management of the most complex satellite missions. Our skills are in solving space and ground segment command and control and end-to-end data service challenges.

Making the most of space assets

Our clients require innovative, cost effective and rapidly deployed solutions. They need their assets to achieve mission readiness or business goals on time, on cost and with the needed capability. The unique services our clients offer require a solution to match.

Our experience

Our experts, tools and underpinning designs provides CGI a library of solution designs to draw upon. Allowing rapid design development, the use of agile and expertise in on-time program development.

Our recent engagements have lent itself to developing solutions in:

- Control and monitoring of mega constellations of low earth orbit satellites equipped frequency re-use technology and using multi-antenna gateways. The solution was designed to enable continuous end-to-end IoT high-throughput service.
- Seamless business, operational and satellite payload systems integration optimising the use of the radio resource and ground segment assets for a major Satellite Network Operator. Maximising the utilisation of the assets whilst presenting available revenue generating resource to the business developer.
- Service catalogue development and a tool-set that allows the rapid set-up of services, which uses automated model-based planning, plan dissemination and activation with optimal asset use. Designed to ensure the rapid set-up of services, their continual assurance and sustainment with accurate usage-based billing. This solution transformed the client's operations by replacing people and paper process with a lean and digitally enabled business operation.



Our heritage

For the past forty years we have been at the very heart of innovative solutions for our commercial and military space clients, including some of the world's largest satellite network operators. Whether managing software defined satellites with active uplink phased arrays or continual service provision on fast moving, frequency hopping low earth orbit mega constellations our software and strategic guidance to the client ensures complete customer success.

For more information

Visit cgi.com/uk/space

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