Electronic health records, digital devices, smart phones, tablets, wearables, physicians, nurses, patients and caregivers. Thousands of people connected to thousands of things creating millions of data points all day, every day. But where is the value? Where are the better outcomes?

CGI’s Internet of Health Things (IoHT) Framework helps healthcare providers create value by structuring data collected through “health things”—e.g., devices, sensors, applications—and make it meaningful and actionable in order to achieve targeted outcomes.

It includes a catalog of workflows, IoHT applications and decision support solutions to assist health enterprises in achieving situational awareness—knowing the location and the status of people (staff, patients, etc.) and resources (medical equipment, devices, supplies, etc.)—and connect to other applications to enhance situational intelligence to take action on that awareness to improve the delivery of care or operations that support care.

**CGI’s IOHT Framework**

CGI’s IoHT frameworks helps healthcare providers to jumpstart their journey of digital transformation of healthcare delivery and achieve targeted outcomes leveraging IoHT solutions.
A wide range of IoHT data sources are connected to the ThoughtWire Ambiant platform, including: medical equipment, sensors, building systems (such as elevators and security cameras), clinical and administrative applications. In addition, patients with smartphones, remote devices and increasingly with embedded devices can now be connected to the Ambiant platform. Workflows developed in the Ambiant solution will act upon this wide variety of data sources.

CGI’s framework pulls together vital data sets from various devices and systems throughout the health enterprise (EHR information, nurse call systems, RTLS systems, medical devices, building automation systems and more) along with patient input using the ThoughtWire Ambiant platform for intelligent and actionable processing. ThoughtWire’s Ambiant platform represents the state-of-the-art in enterprise and cloud solution delivery featuring:

- **Unified experience technology** that works on any web or mobile device to deliver simple and intuitive apps that are custom fit to your needs
- **Smart Personal Agent** technology that works on behalf of its human counterpart to provide automated workflows, context management and complex information/rule-based processing
- **Smart Connector** technology that simplifies bidirectional integration with your existing systems and data

CGI wraps the Ambiant platform with a framework that includes project management, consulting, systems integration and overall methodology to deliver end to end digital solutions with real results.

- **Digital roadmap** – Working closely with our clients, CGI develops both the business and technical roadmaps to meet key client outcomes. The roadmap conveys a thorough understanding of the business requirements and expected outcomes along with the technical components to get there - specifically, identification of the network, hardware, software, sensors, devices and security. A thoughtful security plan is critical to protect every device on the network, because the weakest device point needs to be secured to prevent a breach.
- **Rapid, iterative deployment** – CGI and ThoughtWire use an agile development approach to guide client stakeholders and end users through a series of focused discovery and design workshops and a series of short, iterative deployment cycles (sprints) to show continuous evolution and to get feedback early and often.
- **Testing/Quality Assurance** – CGI understands complex integration projects. Our rigorous testing/QA methodology confirms components are configured and integrated successfully together as desired to meet intended outcomes.
- **Ongoing support and management** – CGI is always there. We offer on-site and remote support to allow cost-effective enterprise-wide management of the devices and mobile applications interacting with the platform and configured workflows. Support includes training, troubleshooting, and optimization to keep components running smoothly.

ABOUT CGI
Founded in 1976, CGI is one of the largest IT and business process services providers in the world, delivering high-quality business consulting, systems integration and managed services. With deep experience in developing and integrating business, clinical and IT solutions for healthcare providers, payers and governments across Europe and North America, CGI helps clients achieve real transformation in the rapidly evolving health industry. For more information about CGI in health, please visit [www.cgi.com/health](http://www.cgi.com/health) or email us at info@cgi.com.

ABOUT THOUGHTWIRE
Since 2009, ThoughtWire, an award-winning Toronto, Canada-based company, has been helping healthcare organizations automate work to drive better outcomes. Through our Ambiant platform, ThoughtWire harnesses the power of the Internet of Things within an organization, combined with machine intelligence and brought to users with a frictionless interface. Our ability to help your team deliver better outcomes comes alive when we combine people, processes and science complimented by our technology. Ambiant has been developed by thought leaders, tested by science and tamed by best practices to become the only automation platform that augments your team and standardizes work for better outcomes each time. To learn more about how ThoughtWire can help drive better outcomes you’re your organization, please visit [www.thoughtwire.com](http://www.thoughtwire.com) and follow us on Twitter @thoughtwire or on LinkedIn.