



Solutions for Connected Healthcare Ecosystem

With estimates of over 50 billion connected devices by 2020, it seems logical for organizations to take advantage of the embryonic IoT technology. Technology convergence has resulted in IoT emerging as one of the most impactful trends in the healthcare sectors as well. A McKinsey study reveals that linking the physical-digital worlds through IoT could spawn an economic value of up to \$1.6 trillion globally in human health and wellness by 2025.

The changing technology makes it imperative for medical devices companies to quickly adapt their products and services. The value for healthcare lies in improving quality of life and extending healthy life spans for patients with chronic illnesses, and reducing cost of treatment. IoT provides the capability to predict events in device usage and take proactive action freeing up operational investments.

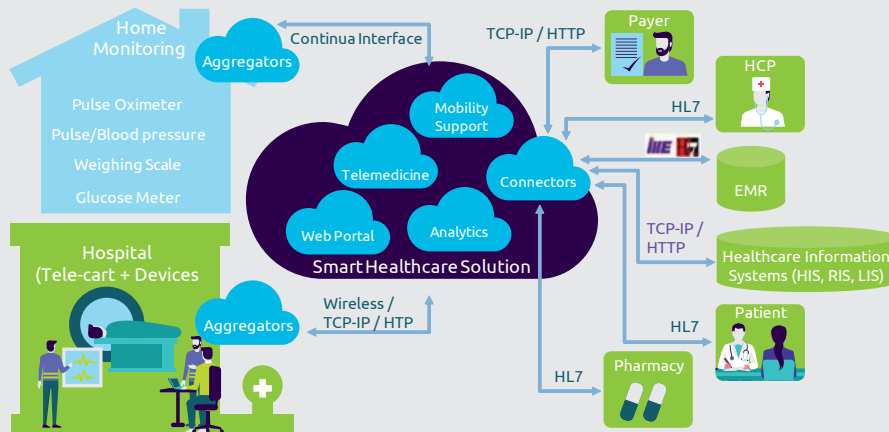
Capgemini brings solutions and services that address the changed expectations of product functionality and interoperability. For the medical devices sector, every aspect of product engineering, manufacturing and support demands enhanced scrutiny and creative disruption. Our competitive advantage lies in our partnerships across the healthcare ecosystem - Hospitals, Doctors/ Clinicians, Contract/ Prototype Manufacturer, Test Labs, External Consultants. We help our customers design new revenue models, drive innovation with the focus on improving operations and reduced service costs. We can help our customers bring down device maintenance cost by 25 – 30% with uptime Improvement of 15 - 25%.

Moving from treatment-centric to patient-centric approach and collaborative care.

With our domain engineering expertise in medical devices we offer hyper customized solutions for each medical modality.



An Intelligent, Connected Ecosystem



Our Services

Our services address the new demands on product capabilities to be a part of the Connected Healthcare Ecosystem

- **IoT Solutions and Services:** End-to-end IoT enablement services - from tech assessment to IoT deployment and IoT Security services.
- **Cloud Enablement:** Cloud services including consulting, implementation and management for Healthcare Systems
- **Engineering Analytics & Insights:** Cutting edge solutions from data acquisition to data visualization leveraging analytics and cognitive learning based frameworks
- **Interoperability Services:** Frameworks to enable standards based interoperability
- **Platforms & Application:** Integration of platforms, complex event processing engine for integration of IoT applications with interconnected medical devices.
- **Mobility:** Solution accelerators for implementing modules of medical mobile applications across major mobile platforms
- **Remote Support and Sustenance:** For in-market products
- **Complimentary Portfolio:** Electronics and embedded software, hardware and mechanical engineering, product V&V, product lifecycle management and digital technical content management

Success Stories

- 30% drop in issues reported with first deployment of Remote Monitoring solution for cardiopulmonary and other medical devices.
- Home-based remote monitoring system for class III cardiovascular devices
- Next generation product enabling real time monitoring of patient's glucose values, to automatically provide accurate insulin dosage.
- Remote Services Platform for installed equipment, with Data Analytics and Pattern Mining.

People matter, results count.

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The Capgemini Advantage

Frameworks: HL7 framework, Continua certified USD platform, automated deployment in cloud

Partnerships: PTC (ThingWorx), GE (Predix), IBM (Bluemix, Watson), Microsoft (Azure IoT Suite), Amazon

IP Assets: iHeal, AutoPulse, IPS3/ IV3, eObjects, Smart Engine

Experience: 20+ years, 12 of the top 25 medical devices companies, 1400+ engineerings, 200+ regulatory submissions, ISO 13485 certified

About Capgemini's Digital Engineering and Manufacturing Services

Capgemini's Digital Engineering and Manufacturing Services brings together deep domain expertise to lead the convergence of Physical and Digital worlds through technology, engineering and manufacturing expertise to boost our clients' competitiveness. A recognized leader with over 10,000 engineers across the globe and 30+ years of experience, Capgemini's comprehensive portfolio of end-to-end solutions enables global companies to unlock the true potential of their product portfolios and manufacturing efficiencies.

For more information, write to us:

marketing.dems.global@capgemini.com
Visit: www.capgemini.com/engineering

About Capgemini

A global leader in consulting, technology services and digital transformation, Capgemini is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. It is a multicultural company of over 200,000 team members in more than 40 countries. The Group reported 2018 global revenues of EUR 13.2 billion.

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