



Experience Healthcare IT Firsthand

The Healthcare Innovation and Briefing Center for all Healthcare Partners

Healthcare systems undergo a process of continual change. Demographic change, urbanization and a changing mindset regarding personal health are characterizing the society of the future. The costs of healthcare systems are exploding, and maintenance of high quality of care is in danger. An increasing sense of responsibility in individuals, and the rapid developments in the areas of diagnosis and treatment, require a completely new way of handling knowledge and information concerning our most important possession – our health.

New thinking in healthcare management

The medicine of the future is following a goal – firstly, not to let illnesses develop, and secondly, if they do, to recognize them earlier than ever before so that they can be better treated. Siemens IT Solutions and Services makes a considerable contribution to this. As part of the Siemens technology concern, the world market leader in healthcare IT, we are highly familiar with developments in the healthcare arena. Thanks to our technical competence, we fulfill all of our partners' requirements regarding efficient healthcare management. Our many decades of experience allow us to take on and successfully execute complex tasks in this field.



Experience healthcare IT firsthand

Find out about our capabilities for yourself: Our Healthcare Innovation and Briefing Center in Vienna (HIBC) is open to all partners in healthcare. Located in the heart of Europe, let us show you the future of healthcare IT, with open flexible solutions that are within reach of all participants in the healthcare market. The HIBC also fulfills the following functions:

- Platform for knowledge networking
- Exchange of experiences with reference customers
- Adaptation of showcases to regional requirements
- Organization of workshops in a representative atmosphere
- Support for international events such as trade shows and conferences
- Business process and technology consulting within the scope of the HIBC
- Presentation of the newest technologies using innovative products and solutions, including those from cooperation partners
- Networking with other Siemens laboratories such as the Biometric Center or the Public Sector Innovation Center

Our solutions: the healthcare IT of the future

A clear vision and strategy, an all-inclusive overview and investment security – these are the core requirements of healthcare projects. In addition, solutions that have been proven in practice must be combined with new innovative approaches. In doing so, established standards must be taken into account just as much as supra-regional developments and trends.

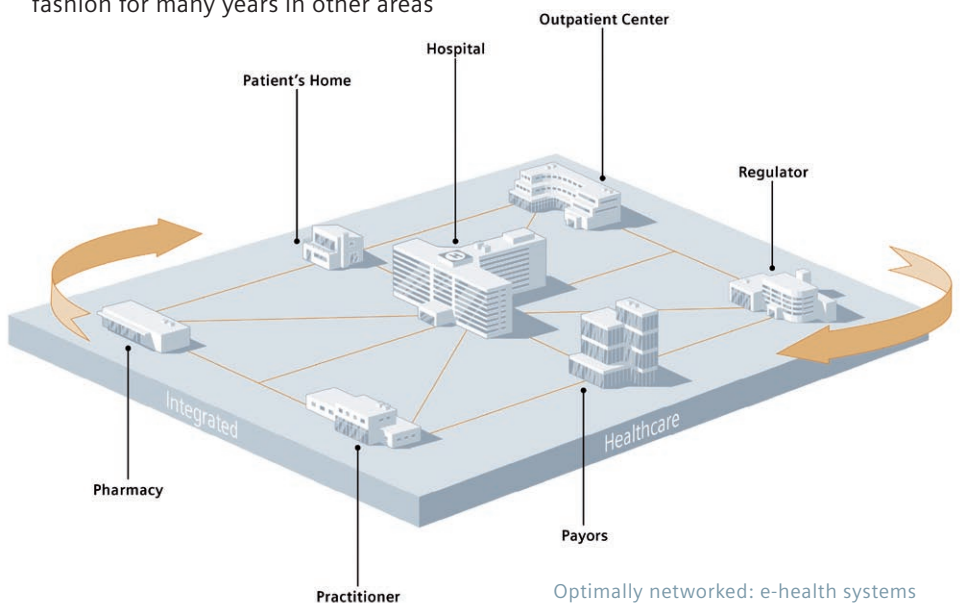
There are a number of fundamental requirements for efficient care of patients and optimized business processes in healthcare:

- Future-proof infrastructure for the networking and integration of all participants in the healthcare system
- Administrative applications such as accounting of services provided and exchange of demographic data
- Use of a common infrastructure for clinical applications such as e-prescriptions
- Networking of clinical applications into one health record for process-oriented and efficient healthcare
- Knowledge databases, for example for the best possible treatment for the patient
- Business information systems for efficient citizen-centric healthcare management
- Data protection and data security, availability and performance – subjects that we have been solving in excellent fashion for many years in other areas

Identify, register and provide: e-health is simple

Our comprehensive portfolio of e-health systems offers both infrastructure solutions and e-health products and applications. These solutions identify the participants, register access and provide all information needed to optimize business processes and treatment of the patient.

The range of solutions includes the building of systems within an organization, the integration of systems between organizations to reproduce clinical and administrative processes, electronic health records and secure access to these, as well as health management for the public. We thus contribute to better preventative care and an increase in quality and efficiency of overall healthcare.



Optimally networked: e-health systems support healthcare processes



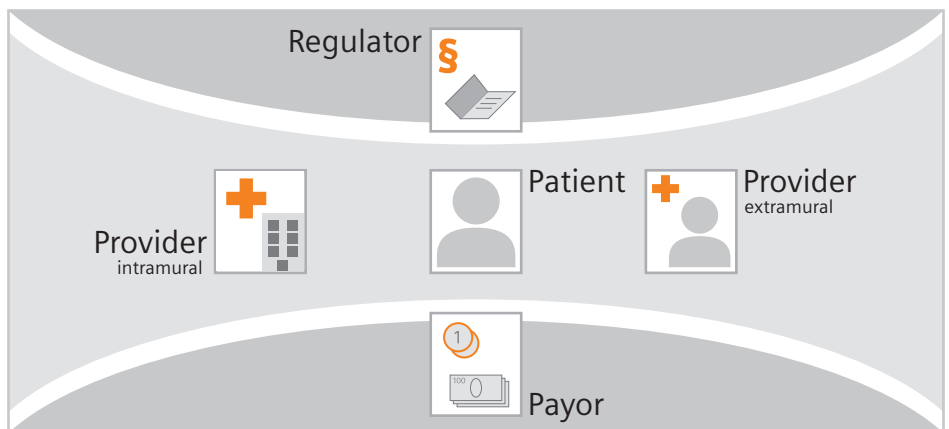
Showcases: what we make possible today

Our HIBC spectrum is built on solution building blocks and products in the areas of e-health infrastructure, health portals, administrative and medicine or e-health applications and services as well as business intelligence tools that allow us to present complete solutions within both regional and national frameworks. The following gives an overview of several HIBC showcases and demonstrations as examples:

- **Administration of health cards**
 - Issuing of a health card including biometric personalization
 - Demonstration of a sector-optimized Card Application Management System (CAMS 4 Healthcare) and health cards
- **e-medication or e-prescription**
 - Personalized access by the citizen to the health portal: searching for physicians according to various criteria, and electronic appointment agreement
 - Visit to physician with checking of current insurance and contractual situation
 - Issuing of an electronic prescription
 - Redemption of the electronic prescription in the pharmacy
 - Checking of the medication to be dispensed, including checks on interactions for a greater degree of medication safety and clarity through e-medication
 - Documenting of dispensing in the e-medication patient history
 - Access to current medication and medication history by the patient via the health portal and printout of an ingestion plan

- **Exchange of image data as an example of collaboration between healthcare providers**
 - Authorized access by the physician to the health record and an overview of medication and treatments
 - Documentation of patient data, for example a dermatological photograph in DICOM format by means of an IHE framework
 - Access by a further healthcare provider to the now-expanded health record
 - Demonstration of
 - IHE Registry and IHE Repository
 - IHE Master Patient Index
- **Application possibilities of Microsoft Surface technology in the healthcare IT environment**
 - Identification of the patient through the health card without a card reader
 - Interactive presentation of the results of an examination such as patient image data

- **Hospital Information System (HIS) integration into the healthcare infrastructure**
 - Implementation of existing HIS and RIS/PACS solutions by means of standardized IHE adapter
 - Identification of the patient in HIS by means of the health card
 - Implementation of other e-medication
 - Archiving of health record data in long-term storage
- **Integrated Care Monitoring (ICM)**
 - Intelligent monitoring of healthcare services data
 - Intelligent reports and analyses as a basis for accounting, contract and strategic management



For all partners engaged in healthcare – oriented to people!



Impressive: our customer projects – from Austria to Turkey

As the premium partner of international companies such as Microsoft, SAP or SUN, and to some extent a leading member of organizations such as IHE and HL7, the experience gained from our projects and references flows directly into our HIBC.

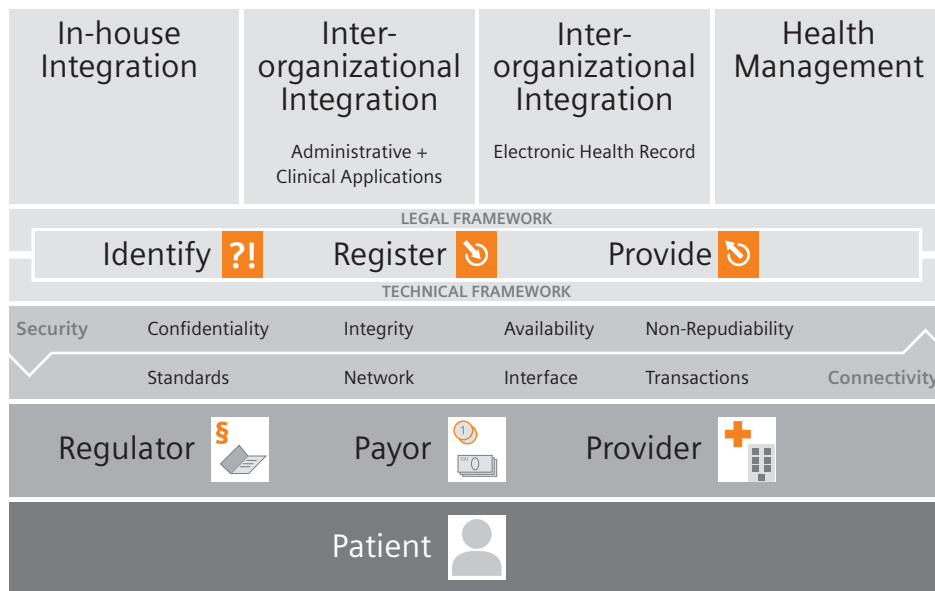
Siemens IT Solutions and Services has implemented numerous customer projects very successfully in the field of health-care. Examples include:

- Biometric access solutions for the Hospitaller Order of St. John of God in Austria
- A core health resources management system for the Turkish Ministry of Health
- Siemens Identity Solutions for greater efficiency and security for the Klinikum Landshut GmbH in Germany
- The regional service card project in Lombardy, Italy
- Biometric access control system for premises and fingerprint-based PC identification system for the Styrian health insurance fund in Austria

A further striking example of our comprehensive capabilities in e-health systems is the national e-card project for the Federation of Austrian Social Insurance Institutions. Siemens IT Solutions and Services designed the overall architecture, built two high-availability operating centers and developed the corresponding applications, for example an insurance claim check and a medication approval service. Over eight million users today take advantage of this e-health infrastructure as the basis for many other applications.

Experience the future of healthcare IT in our HIBC!

Touch IT!



Identify, register and provide: the pillars of a modern e-health architecture

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