GCC

Security and Encryption

Getz Clinical

Elegant eHealth solutions for every hospital

> *'Sense of Security continues to work closely with Getz Clinical to ensure security related matters are identified in a timely manner and capabilities are aligned to deliver a secure service delivery platform.'*

Sense of Security 19 January 2016

Security and Encryption

The GCC suite of modules is built and delivered as an end-to-end cloud computing service. Together with the latest technologies and best-practice methods, this enables us to provide our clients with the best data security and protection possible.

Software updates and upgrades are automated and implemented without interrupting the daily operation of hospitals.

Data storage and computing power is almost unlimited so that GCC can scale with your business requirements.

Hospital information is stored in data centres compliant with the *Health Insurance Portability and Accountability Act* (HIPAA), ensuring protection from disasters.

Patient data security and privacy

amazon web services | Partner Network

TECHNOLOGY PARTNER

Security and privacy are at the heart of all Getz Clinical development and operational activities. It was therefore critical for us to select a mature technology partner with a history of successful security audits, certifications, quality-based systems and formalised training, and with a team dedicated to complying with HIPAA and other relevant legislative requirements.

Getz Clinical achieved this by selecting Amazon Web Services, whose core business is maintaining compliance and security and who, therefore, spend more time on achieving this than any hospital ever could.

To ensure confidentiality and privacy, data is protected in flight and at rest by utilising state of the art encryption technologies.

Elegant eHealth solutions for every hospital

HIPAA (Health Insurance Portability and Accountability Act) compliant

Getz Clinical

Encryption levels

GCC data is encrypted in transit and in storage using the most secure algorithms possible.

Data is encrypted with keys that are not stored inside a public cloud provider and therefore protect clinical data from security breaches. Certificates and keys are managed for transport and storage, ensuring that access to the encrypted data and services can be revoked or granted immediately.

Our Cloud Computing provider, Amazon Web Services, is HIPAA, HITEC and ISO 27001 compliant.

Architecture is audited periodically to ensure coverage for the latest security threats.

Backup strategy

Patient data is backed up every 15 minutes. Data is replicated between separate data centres on different power grids and flood plains. Automated failover ensures that, in the event of a data centre outage, access to data is maintained.

Full backups are made daily and stored in geo-redundant storage with 99.999999999% reliability of recovery.

GCC is tolerant of network outages. Clinical systems continue to function in the event of internet access problems. Information is stored locally in encrypted databases and synchronised continuously, ensuring that any failed data transfers are retried as far as is practicable.

Security model

Presenting an identity for access is mandatory. There is no anonymous access. Passwords are never stored or authenticated by GCC.

Authentication is managed by cloud-based services delivered by Microsoft. GCC can federate with existing security domains and internal policies. Federation means that password policy is managed by hospitals.

Access control service is provided by, and meets, WS-Federation standards. Role-based security ensures users can only access GCC functionality as determined by the hospital's administrators.

GCC stores each client's data in separate data stores in isolated Virtual Private Clouds, providing a wall between each client's data and therefore, a single point of access for encryption and access control.

Hardened devices

Getz Touch medical grade devices can be disabled and re-enabled remotely, reducing the risk of data loss through theft or negligence and the chance of errors through the use of faulty equipment.

Certificates and keys are managed for devices. They can be revoked, reissued or removed entirely, ensuring that access to encrypted data and services can be revoked or granted immediately.

Elegant eHealth solutions
for every hospital

99.999999999%
reliability of recovery from geo-redundant data storage

Getz Clinical

Getz Clinical

Getz Clinical is a world leader in perioperative information management systems.

Our solutions, implemented through our GCC suite of software modules, have been deployed in over 50 hospitals and medical centres across Asia, Europe, Africa, Australia and the Pacific.

Major customers include Singapore General Hospital, the University Hospitals of Leicester Trust in the United Kingdom and the Chris Hani Baragwanath Hospital in South Africa. In Australia our solutions are used by the Royal Adelaide Hospital, Lyell McEwin Hospital and Queensland Health.

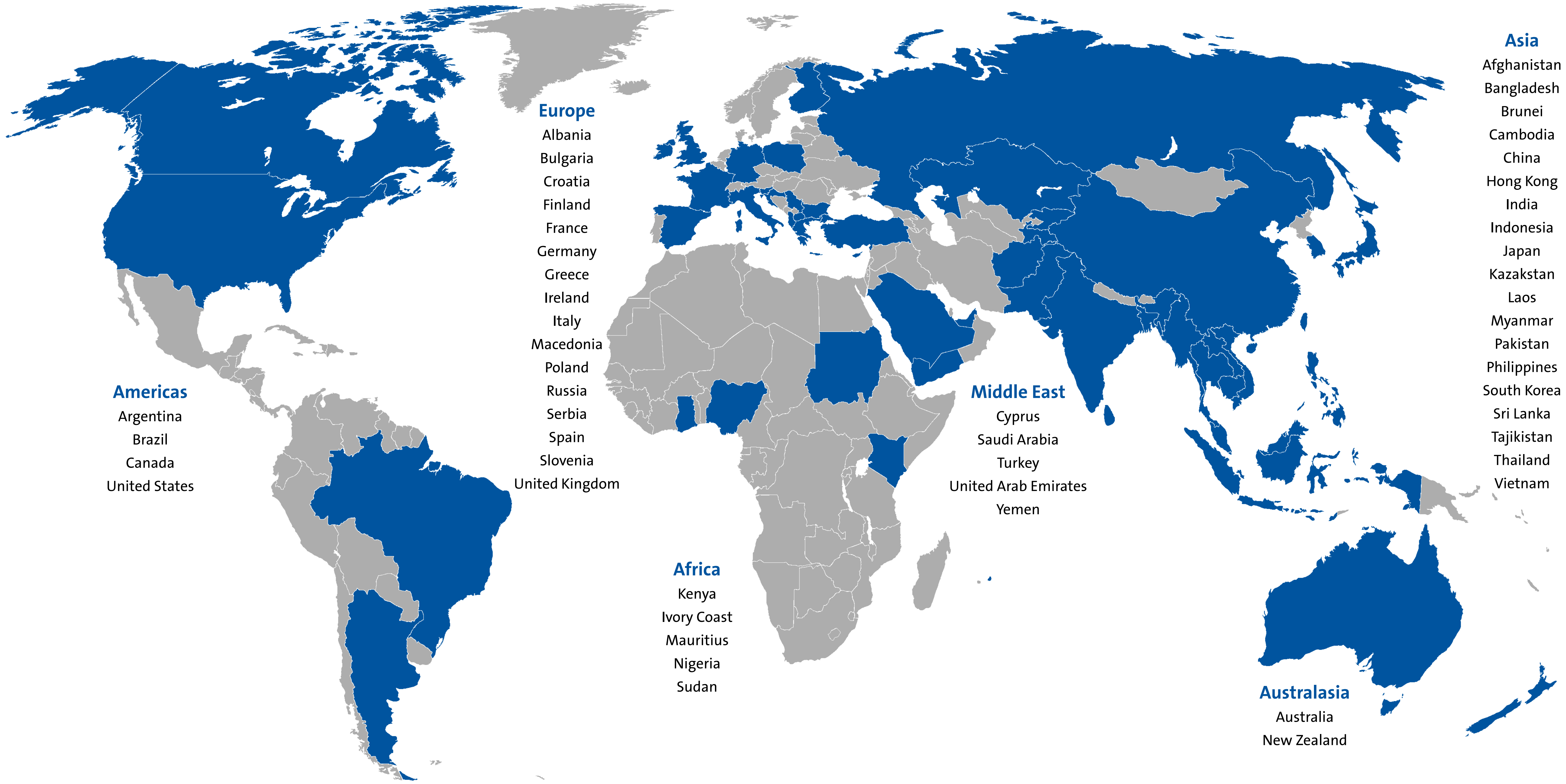
The Queensland Health project, covering 44 hospitals, remains the largest hospital network of its kind in the world.

Getz Clinical has sales and support teams operating out of seven offices in Australia, Singapore, the United Kingdom and the Philippines.

Our team of highly skilled personnel with extensive experience in providing eHealth solutions includes developers, integration specialists, project managers, clinical experts, business analysts, service delivery managers, sales managers and account managers.

Our head office is in Singapore and our development centre is located in Adelaide in South Australia.

Getz Clinical is a subsidiary of the Getz Group of companies. The Getz Group, founded in 1852, is a strategic investment business. Our products and services are delivered by 12,000 employees in 50 countries, with an annual turnover exceeding US$1.27 billion.



Getz Clinical

A member of the Getz Group

The Getz Group is a diversified business focusing on healthcare, chemicals, distribution, retailing and hotels.

Adelaide | Auckland | Brisbane | London | Manila | Melbourne | Singapore | Sydney

information@getzclinical.com

www.getzclinical.com