

## **History and facts – the ICC Solutions GmbH**

### **ICC Solutions GmbH**

ICC develops internet security products for encrypted data transfer and communication. The company is on market since 1984 and since January 2007 the legal form of ICC Solutions GmbH consists as spin-off from the ICC Info Tesys Computer Consulting GmbH.

JULIA MailOffice (Virtual Post Office) and TOMMY SSL-Proxy (SSL filter) are leading solutions in email security fields. Both solutions are employed by numerous authorities and in use for small and medium-sized businesses as well as for big companies. With the SESAME Login Portal (SSO – Single Sign On) ICC completes its assortment of infrastructure for centralised authentication and authorising at web systems.

### **Facts on ICC Solutions GmbH**

ICC is a wholly-owned subsidiary from the ALLGEIER GROUP, a service group with a finance holding company quoted on the stock exchange. The group's focus is on the following growth markets:

- IT services (IT projects, outsourcing, near-shoring)
- IT solutions (software solutions)
- personnel services (temporary work, support of human resources)

For over 20 years now as a service company with its intersectoral IT knowledge ICC supports customer-specific IT projects. Thank to the vast experiences coming from these IT projects ICC developed its own products JULIA MailOffice, TOMMY SSL-Proxy and SESAME Login Portal. With growing success of the products the ALLGEIER GROUP decided to outsource ICC to underline its independent product division and in January 2007 the spin-off ICC Solutions GmbH was created for going on market as independent legal form.

The ICC company headquarters is in Hürth near to Cologne. Together with the ALLGEIER division for IT solutions ICC gain an annual turnover of 30 million Euro with about 150 employees (entire ALLGEIER GROUP: 300 million Euro / about 1,600 employees). The ALLGEIER GROUP operates throughout Europe and disposes of 25 subsidiaries in Germany, Austria, Switzerland, Benelux and in several other countries in Eastern Europe.

## Customers of ICC

Among others ICC counts customers from following sectors (one example for each sector):

Automotive: ZF Friedrichshafen AG

Authorities: Federal Authorities BundOnline 2005, "Virtual Post Office"

Energy: Vattenfall Europe AG

Finance: Deutsche Postbank AG

Insurance: Gothaer Versicherungen

Health Care: AOK in whole Germany with all national associations

Transport: Toll Collect GmbH

Industry: Carl Zeiss AG

Social Care: SOS Kinderdorf e.V.

You can find an entire customer list by clicking on the link:

[www.iccsec.com](http://www.iccsec.com)

## Products and services

### JULIA MailOffice (Virtual Post Office)

**The problem** – Business letters, offers, proposal documents, invoices and payment reminders more and more are sent via email between companies and their customers. At this point users often think that the email will safely arrive to its recipient. But what does security mean to electronic business mailing? In general an email can be considered as post card: everyone can capture it from its transmission path, read it and even modify it.

Besides this you easily can create complete emails including correct sender details in order to send this way false information to the recipient. The good reputation of a company is in danger. Competitors are able to withdraw offers or to retire from participation to bid invitations pretending to be the right company and so can cause mighty damages to the concerned company.

**The solution** – Only encrypted emails are able to transfer business details safely. As server-based solution JULIA MailOffice offers an entire protection for decryption and encryption of emails as well as centralised signature and signature verification. Therefore JULIA MailOffice is your “Virtual Post Office” (VPS).

With JULIA MailOffice you can move all extensive procedures of client encryption to one central gateway. User benefits are especially enormous savings of costs and efforts in contrast to client-based solutions.

Based on SMTP, S/MIME and PGP standards JULIA MailOffice is suitable to every email infrastructure. Furthermore due to its vast module conception JULIA MailOffice can be adjusted to every individual demands easily and conveniently at low price.

**The background** – In email transfer security first of all the protection of confidential content, the proof of unmodified content and the proof of the sender's identity have to be ensured. This way you can prevent legal offences and ensure unmodified content of your emails.

- > **Digital signature** – With help of electronic signatures – so called “digital signatures” – you can certify that your email was not modified and you can proof the authenticity of the sender. Digital signatures are based on certificates containing name and email address of the user. **Certificates are pairs of keys that were signed by an trusted organisation.** If you link such a certificate to your email the email client of the recipient will automatically check whether the email really comes from the sender and whether the email was modified or not. For this purpose a checksum of the entire message will be created. The sender employs the secret part of the key pair to ensure that only the sender is able to provide the digital signature. If sender and checksum of the message do not correspond the recipient will be alerted.

> **Encryption** – For protecting the email content the same way as a digital signature is used a digital certificate will be employed. To be more precisely, the system requires the public part of the certificate from the recipient for encryption. This ensures that only the recipient can read the content of the email as plain text because only this text can be decrypted with the private part of the certificate. With help of digital certificates and its combined private and public keys you can meet all the demands to ensure a protected use of emails for your business communication.

### **TOMMY SSL-Proxy** – Central protection of SSL encrypted communication

**The problem** – If an IT security system allows encrypted internet access (https, SSL, TLS) from the intranet this data exchange might be endangered by interfering viruses and malicious codes as well as several hacker attacks. Hackers use encryption in order to send viruses, worms and further harming data directly through the firewall, the virus scanner, the installed Java and ActiveX filters and even through intrusion detection systems. Most of the common IT security systems neither are able to detect, nor to open, nor to read data that were encrypted by SSL or comparable routines.

**The solution** – The SSL filter of TOMMY SSL-Proxy can protect a network against attacks from the encrypted data stream. TOMMY SSL-Proxy is an IT security system that meets all the demands of centralised control, verification and administration of server certificates and of encrypted internet communication.

### **SESAME Login Portal** (SSO – Single Sign On)

The idea of Single Sign On is to enable the user to access to all his relevant applications just by one single login to the system and without further authentication. For this purpose on each system a SSO client is required. This client knows your login details and automatically executes the login without any interaction of the user. The secure archiving of your login details is an important benefit for choosing SSO software.