



Secure E-Mail: Vodafone develops e-mail encryption solution for enterprise customers

- **Convergent end-to-end encryption for enterprise customers**
- **Secure E-Mail runs on PCs, tablets and smartphones without complex installation**
- **The Vodafone Security World now protects both voice and e-mail communications**

Düsseldorf/Hanover, 15 March 2015 – Vodafone has developed a convergent high-security solution for e-mail communication called Secure E-Mail. Unlike rival products, Secure E-Mail doesn't just run on PCs. It also encrypts mail traffic between all other devices - from laptop to mobile phone and tablet. It delivers end-to-end e-mail encryption from the sender's to the recipient's device, and has the enhanced security feature of a special password that is only known to the customer. Without this password, the security key cannot be decoded. Secure E-Mail provides secure e-mail communications to the entire corporate community - from major corporation to small business. It makes e-mail security both simple and affordable. Secure E-Mail's launch is scheduled for autumn 2015, when enterprise customers will be able to send as many secure e-mails as they like for EUR 4.99 a month.

"We recently introduced Secure Call for effective voice communication security. Now we are additionally offering our enterprise customers end-to-end encryption for their e-mail communications," said Philip Lacor, CCO Enterprise at Vodafone Germany. He continued, "Secure E-Mail doesn't just work on PCs, but also on any mobile phone or tablet. And at a price that every business owner in Germany can afford."

The Germans send around 500 billion e-mails every year and e-mail is the preferred method of communication for businesses, especially when sensitive company data is being communicated. Although most e-mails are sent via the fixed network, mobile e-mail communications are still on the increase. By 2018 the number of people around the world who use their mobile devices to send e-mails is expected to more than double. Yet only 6% of them encrypt private and business-sensitive e-mail communications because many of the encryption products on the market are either too complicated or too expensive.

Reliable end-to-end encryption

Secure E-Mail uses end-to-end AES 256 bit encryption. As a result, the e-mail is protected during transmission and also if the provider's systems are hacked into. Secure E-Mail users are the only people who know the passwords necessary to decrypt the e-mails. Vodafone doesn't store them in its IT infrastructure, nor does it have access to them. This means that the user's sensitive information remains confidential, even if a hacker gains access to the IT infrastructure. Vodafone was supported by FTAPI, a QSC AG company specialising in software for safe data transfer and storage, in the development of Secure E-Mail. FTAPI has always offered its customers extremely secure end-to-end encryption, and over the years it has developed extensive expertise in this field that distinguishes it from its rivals.

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Media Release

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Easy: works on all devices without time-consuming installation or configuration

Secure E-Mail users will be able to receive encrypted mails on all standard devices: PCs, laptops, smartphones and tablets. A simple Outlook plug-in, without any time-consuming installation or configuration, is all that is necessary to use the product on a PC. Vodafone will be offering Secure E-Mail as a high security app providing smartphone and tablet users with convenient access to the mail directory. Secure E-Mail doesn't just encrypt e-mail communications to other Secure E-Mail users. It also sends highly secure encrypted e-mail communications to people who don't have Secure E-Mail.

Secure E-Mail: extending the Vodafone Security World

Secure E-Mail is the new product in the Vodafone Security World for IFA 2015. Vodafone's security strategy is stringent and uncompromising, with a focus on secure solutions that offer customers even more effective protection. Secure Call was launched in February. It provides end-to-end encrypted voice communications on enterprise customers' mobile devices and uses the same encryption technology that protects Angela Merkel's high security phone. Like Secure E-Mail, Secure Call makes communication simple and secure - as an app that can be installed on any standard smartphone.

For the technology-minded readers: this is how encrypted e-mail communication works

To provide end-to-end encryption Secure E-Mail uses a hybrid encryption process with a combination of RSA-2048 and higher, and AES-256. Despite this complex process, the user experience is very simple and convenient. Unseen by the user, the data is encrypted on device sending the mail and decrypted again when it reaches the recipient's device.

Vodafone is exhibiting in its own Pavilion 32 at this year's CeBIT in Hanover again, where it will be showcasing a comprehensive range of products for German and international enterprise customers. You can find further CeBIT information for the media at www.vodafone.de/presse. The new Vodafone online magazine www.featured.de/business also provides comprehensive information about Vodafone Germany's enterprise business.



Vodafone Germany

Vodafone Germany is one of the largest and most modern telecommunication services providers in Europe. It realises turnover of more than 9.8 billion euros (together with Kabel Deutschland) and has 10,500 employees. Based in Düsseldorf, Vodafone Germany is a one-stop innovative and integrated technology and service provider with a portfolio including mobile communications, fixed network telephony, internet and broadband data services for enterprise customers and private consumers. Continuous development, numerous patents and investments in new products, services and the modern network have made Vodafone an innovation leader in the German telecommunications market. Vodafone is committed to CSR. The German Vodafone Foundation is a socio-political think tank that initiates and supports numerous projects in the fields of education, integration and social mobility. The company is part of the Vodafone Group. Visit the website at www.vodafone-deutschland.de for further information.

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