



**ENTRUST**



# Entrust speeds up and secures electronic invoicing at Si.mobil-Vodafone



European and Slovenian national directives and legislation allow companies to issue invoices solely in an electronic format, as long as they follow a strict set of rules. Si.mobil-Vodafone was quick to realise the huge savings that could be achieved by eliminating paper-based invoicing and, with the help of technology from Entrust, it is now one of the largest electronic invoicing systems in Slovenia.

Si.mobil-Vodafone is the first private mobile telephony operator in Slovenia and with its variety of new services, products and technologies is competing directly with the large state owned telco. With more than 500,000 customers, billing is a major cost to the business. Si.mobil-Vodafone therefore took the decision to introduce electronic invoicing. As a result, it is now possible for all of Si.mobil-Vodafone's customers to choose whether they receive invoices in paper or electronic format, or both.

The electronic invoices must be created in accordance with strict EU directives and legislative requirements that require proof of authenticity and integrity. To do this Si.mobil-Vodafone worked with ecommerce solutions provider SETCCE who is experienced in automating electronic business processes in accordance with legal requirements. SETCCE also has a strong technology partnership with Entrust who provided the core security technology.

The solution was effectively designed as an 'in-house electronic print shop' that captures the data normally sent to the printing house and post office for paper-based invoicing.

« **The move from paper-based to electronic invoicing has proved a great success.** »

- Bostjan Zaversek, Financial Manager for Si.mobil-Vodafone



# Si.mobil-Vodafone

The data is then processed and an electronic invoice is produced along with any necessary supplementary information such as detailed specifications on services provided. All electronic documents are created in accordance with the VAT Act and Accounting Standards.

Next, each invoice is digitally signed to seal its integrity and authenticity and delivered to customers via e-mail or through alternative electronic channels.

SETCCE's eBiller® system processes the input data and generates invoices while Entrust nShield® hardware security modules (HSMs) are used to digitally sign the electronic invoices. With high volumes, time is a crucial factor and the Entrust nShield HSM plays an essential role by accelerating the cryptographic processing. It is capable of more than 5,000 digital signatures per second (1024 RSA key signing).

Another very important requirement was the secure storage of cryptographic keys needed to apply digital signatures to electronic invoices. Entrust nShield HSMs

not only securely store the keys for digital signing but also secure and manage access to the information. The Entrust nShield HSM provides a tamper-resistant hardware environment certified to FIPS 140-2 level 3, one of the most stringent security benchmarks in the industry; and the private keys can only be accessed and used for signing if the correct number of authorised personnel are present. This means that the chances of compromising the keys and the process are almost eliminated.

E-invoicing has further strengthened Si.mobil's position as a progressive mobile services operator and the financial benefits are increasing daily as more and more customers opt to receive invoices solely in electronic format. Si.mobil-Vodafone believes that up to 80 percent of production and distribution costs have been saved by eliminating paper-based processes.

With the massive growth in fixed and mobile telecommunications, billing is a major challenge for all network operators.

« **There was tight cooperation between our system integrator SETCCE and Entrust and their combined knowledge and experience in this specialist area delivered an ideal solution. The service meets all legislative requirements, provides a better level of service and more flexibility for our subscribers. This gives us an important competitive edge.** »

- Bostjan Zaversek, Financial Manager for Si.mobil-Vodafone



## BENEFITS WITH ENTRUST

- Protecting customers and the business from fraud
- Up to 80 percent of product and distribution costs saved by eliminating paper-based processing
- Reducing the risk of data breaches
- Managing encryption keys quickly and cost effectively
- Delivering integrity, authenticity and a secure audit trail

The move to electronic invoicing not only cuts costs and streamlines the invoicing process but also reduces the carbon footprint for telcos. However, it is also essential that the process is completely secure and Entrust technology has a major roll to play in delivering protection and a secure audit trail.

## ABOUT ENTRUST

Entrust keeps the world moving safely by enabling trusted identities, payments and data protection. Today more than ever, people demand seamless, secure experiences, whether they're crossing borders, making a purchase, accessing e-government services or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.



Learn more at

[entrust.com/HSM](https://entrust.com/HSM)



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