# Who is Graphodata Sagl

Graphodata Sagl in Vernate is a 100% Swiss company, active in the field of encryption technology for the secure transmission of messages. Its employees have decades of experience in dealing with companies, authorities and government security services.
Our encryption tools are developed exclusively in Switzerland, in close collaboration with the company Imhof EDV in Burgdorf.

Our mission:
As a solution partner for companies and authorities, we offer the highest possible security and flexibility for the secure transmission of messages and data over the Internet.

graphodata

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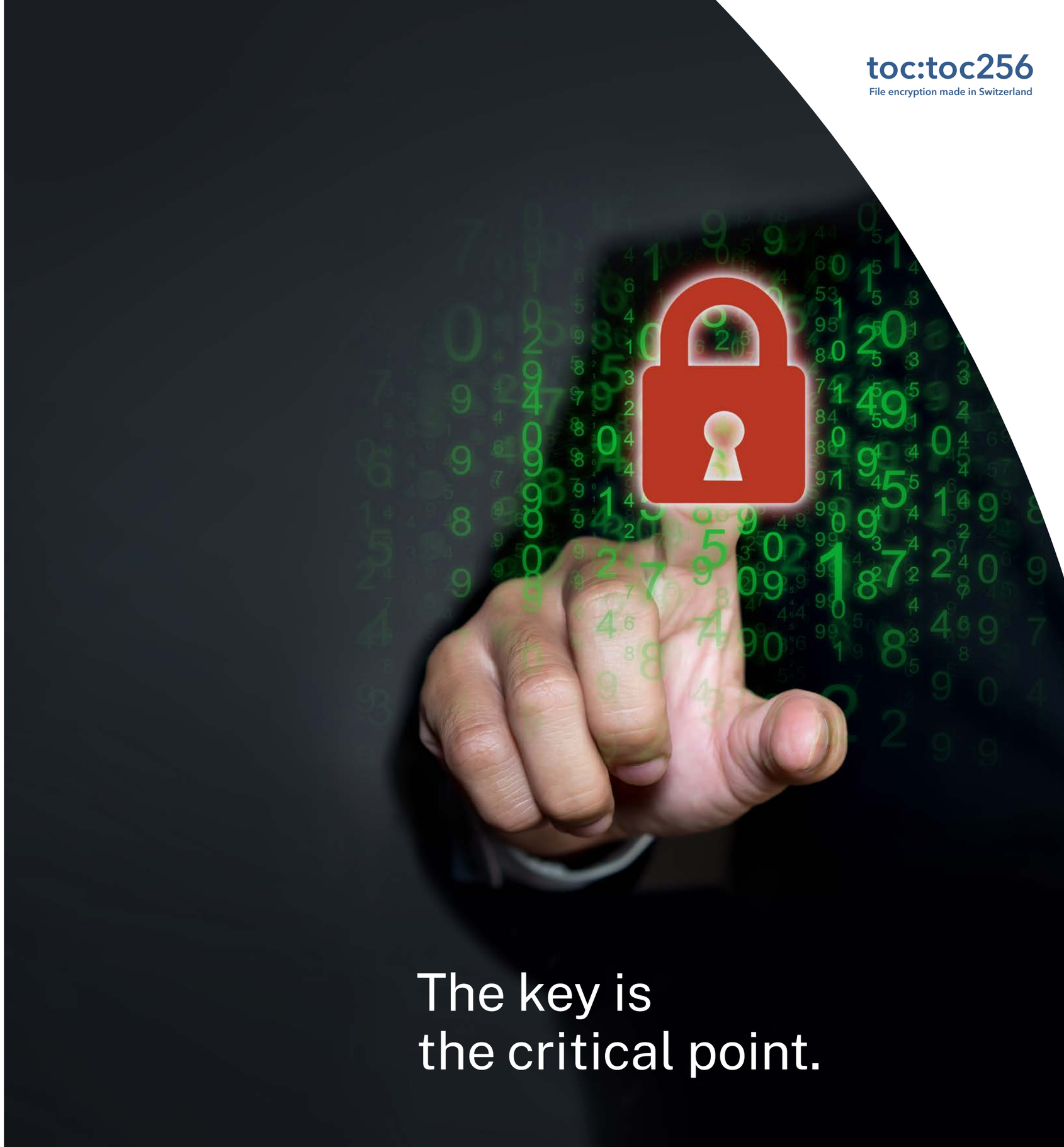
toc:toc256
File encryption made in Switzerland



The key is
the critical point.

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# That’s how quickly something happens without data protection.

Everyday life without digital communication is no longer imaginable for companies and private individuals. With the rapid increase of digital transmission, data protection is becoming increasingly important, to prevent unauthorised access to data.

## Everyone wants your data!

Your messages stored on your PC or smartphone without encryption quickly become an object of curiosity for family members, company employees and hackers. Google, Microsoft, Apple, NSA, etc. store the data and then evaluate it electronically. Internet providers, IT administrators and IT service personnel have access to your unencrypted messages. Even if the open messages do not contain anything compromising, you do not want to share them with unauthorised persons. Confidential communications such as documents and offers should remain confidential. You do not want your unencrypted offer to be outbid by your competitors.

## How secure are messenger tools?

Are messenger tools like WhatsApp, Signal, Threema and Telegram end-to-end encrypted? Have you ever seen a key for any of these apps? The fact is, if you don’t create your own key, the encryption offers no protection. Messages can be read by third parties.

## I use SSL/TLS – is that enough?

If you rely only on SSL/TLS, your e-mails are not sufficiently protected, because TLS (Transport Layer Security) only encrypts the transport channel, but not the e-mail itself. However, at the sender, recipient and as well in the intermediate stations, the message is in plain text and can be read, manipulated or copied.

## Sent to the wrong address by mistake?

Have you ever sent a confidential message via e-mail, SMS (text message services) or WhatsApp to the wrong address without encryption?

## Industrial espionage, a widespread evil

Industrial espionage is about obtaining trade secrets and is an ever-raising worldwide threat and reality. The results of a study show that 15 to 33 percent of companies, regardless of their size, are affected by industrial espionage. In 40 percent of the cases, employees of the company were involved.



## CONCLUSION

Although antivirus programmes and firewalls have long been standard PC appliances, encryption programmes are still used far too little due to ignorance and convenience. Because of the increasing use of cloud storage and security threats on the internet, encryption of sensitive data is highly recommended.

## Telecommunications Monitoring Regulation

According to the German Telecommunications Act (GTA) § 110 and the Telecommunications Surveillance Regulation, all operators offering telecommunications services to the public have been required to conduct email surveillance since 2005.

However, the content of mail messages can be encrypted by simple technical means, such as symmetric cryptography, which offers a high level of security. Thus, only the existence of a communication can be traced for surveillance, the content remains hidden.

## The German Federal Criminal Police Agency reads WhatsApp in real time

The German Federal Criminal Police Agency has a method that allows them to read text, video, image and voice short messages from a WhatsApp account in real time. In addition to the aforementioned communication, the WhatsApp contacts of the target person can also be seen. A state Trojan is not necessary for this.

HEADLINE LIKE IN A THRILLER

### How the FBI read over 27 million “encrypted” chat messages

Published 6 June 2021, 20 Minutes

*Secure encryption always means extra work. In this case, the keys were not generated by the users, but were kindly provided by the FBI.*

# With **toc:toc256** you encrypt all digital data securely and easily.

**toc:toc256** is an encryption programme for Windows, Mac and Android and is not connected to the internet (offline). It can be installed on all devices with the same licence.

**toc:toc256 is an encryption tool that is installed offline on your PC or mobile phone.**
You write or import all confidential messages directly into **toc:toc256** and encrypt them there. The recipient decrypts the message then directly in **toc:toc256**.
The received and sent messages are automatically stored in the **toc:toc256** file structure.

**You always create your key yourself. Because the key is the critical point.**
This way you have the guarantee that the message sent to your addressee is exclusively from you! You can create, exchange and modify the keys yourself at any time. Keys are secret. They must be protected, strong and should be changed often.

**Everything you send electronically can be encrypted and decrypted with toc:toc256.**
- Files (Word, Excel, PDF, etc.)
- Take photos directly using **toc:toc256** on your mobile phone (without saving)
- Record voice files directly using **toc:toc256** on the mobile phone (without saving)
- Exclusive text encryption (e.g. SMS, text message services, WhatsApp, etc.)



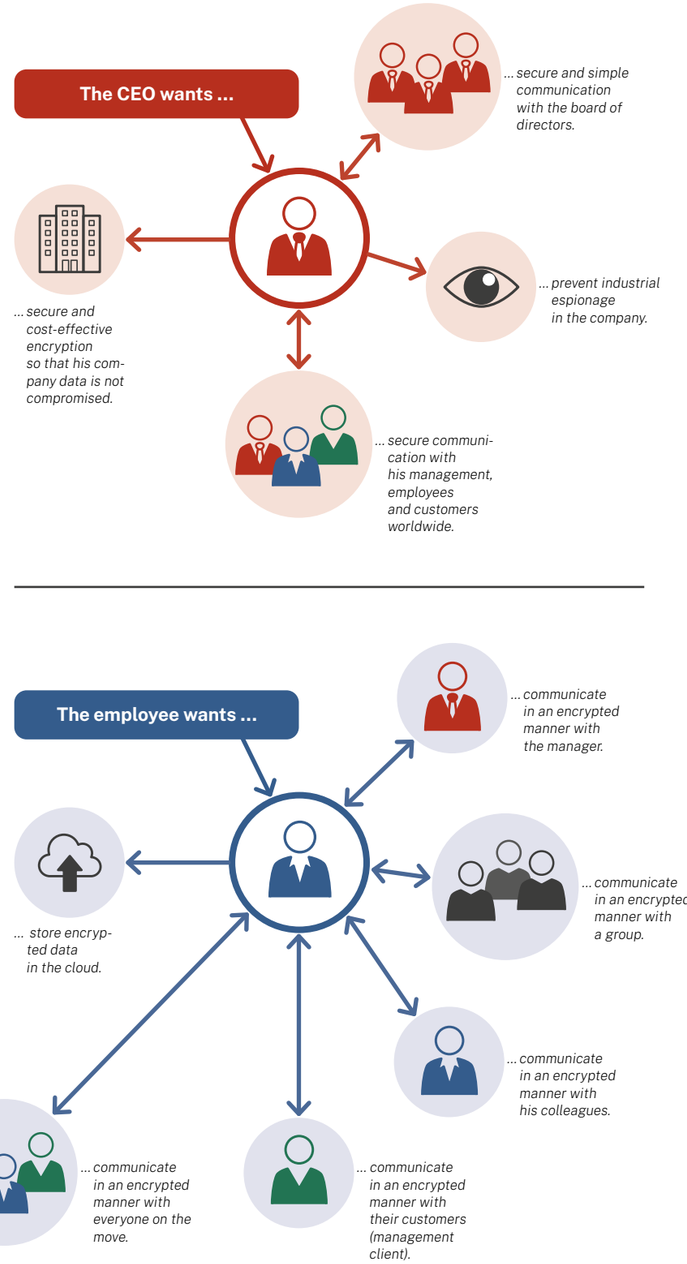
**SO SECURE IS TOC:TOC256**

*Encryption is done by using an algorithm AES 256 (Advanced Encryption Standard). This symmetrical encryption method is also used by the military. The key is always generated exclusively by the user. You have 100 percent control over the encryption. toc:toc256 uses the AES standard and that for good reason. This procedure is considered particularly secure. Since its standardisation in 2001, no weaknesses or backdoors have been found that would allow this encryption method to be undermined. Even hacker attacks and other actions by cyber criminals have not been able to compromise it. AES is also convincing because of its speed.*

**Send messages via all existing services.**
toc:toc256 is an offline encryption tool. Existing services are used to send messages, such as ...
- e-mail
- SMS
- Messenger (e.g. WhatsApp, Signal, etc.)
- cloud
- server
- USB stick



## This is how **toc:toc256** is used for your secure communication.



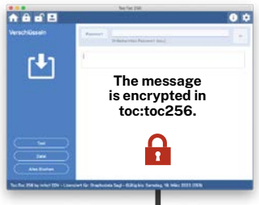
# This is how easy you work with **toc:toc256**.

**toc:toc256** belongs in the middle of the screen in everyday life, whether it's a PC or a mobile phone. For confidential messages, simply use **toc:toc256**.

**Encrypt message**

*Send confidential messages such as:*

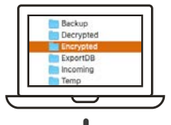
**Photo, Text, File, Voice**




*You choose which service to use to send the message.*

**E-mail, SMS (text message services), Messenger (WhatsApp), Cloud, Server, USB Stick**

*The message is then saved in the toc:toc256 file structure with direct access.*




*You decide whether to delete or keep the message.*

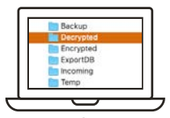
**Decrypt message**

*Receive confidential messages via:*

**E-mail, SMS (text message services), Messenger (WhatsApp), Cloud, Server, USB Stick**


**Photo, Text, File, Voice**

*The message is then saved in the toc:toc256 file structure with direct access*




*You decide whether to delete or keep the message.*

## toc:toc256 AS ADDITIONAL ENCRYPTION

*toc:toc256 is also used as additional security for already "encrypted" communication. Confidentiality is only given if you generate the key yourself.*

## THE ADVANTAGES OF toc:toc256 AT A GLANCE

- **You know that your confidential message will reach the recipient unread.**
- **You signal to your clients that your company has a high security standard.**
- **You are flexible because you can use toc:toc256 on your PC and on the go on your mobile phone.**
- **toc:toc256 is easy to use on Windows, Mac and Android.**
- **With the management client programme you create simplified free toc:toc256 applications for your clients.**
- **No risk if your message is sent to the wrong address.**
- **Highly secure encryption using the AES 256 bit military standard.**
- **Secure identification of the sender.**
- **You can use messengers such as WhatsApp, Signal, Threema, Telegram, etc. without restrictions.**

# In which sectors should **toc:toc256** be used.

- Security services
- Public authorities
- Municipalities
- Police
- Courts
- Industry and commerce
- Law firms and notaries
- Financial institutions
- Doctors and hospitals
- Trustees
- Asset managers
- Real estate management companies
- Insurance companies
- Private individuals and others

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# This is how **toc:toc256** is introduced in your company.

- You record the needs and working methods in your company. Based on the data collected, the password and communication structure are created.
- For security reasons, the communication structure and the generation of keys must be done by yourself.
- Afterwards, **toc:toc256** is distributed to the users by the IT administrator or the responsible person in charge.
- We offer the necessary know-how via an online training.
- For the end user, an online awareness course can be booked, to familiarize the user with this special environment.

## Our additional programmes for the IT administrator

**Management License**
The IT administrator can issue licences himself from the purchased licence package for the company using the licence manager.

**Management Enterprise**
The IT administrator can use Management Enterprise to create a password and communication structure for the company.

**Management Client**
The IT administrator or the employee can use the Management Client to create simplified free toc:toc256 applications for the clients.

# Try out **toc:toc256**!

Try out toc:toc256 to convince yourself of its security, simplicity and user-friendliness.
Contact us: **info@graphodata.ch**