



Giesecke+Devrient

Company presentation

As of March 31, 2021

Did you know?

The Giesecke+Devrient portfolio can be found in many everyday items



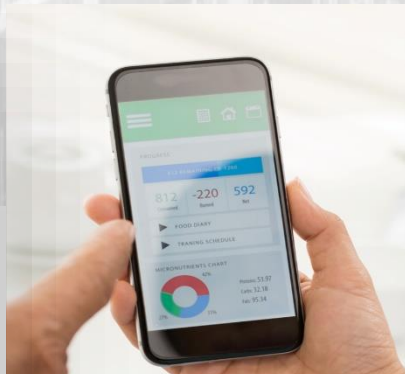
Being a security technology company means for us:

We are a reliable partner and innovation driver in our major playing fields



Payment

Secure physical, electronic and digital payment transactions



Connectivity

Trusted connectivity for mobile devices in the Internet of Things



Identities

Safeguarding identities and authentication of persons and objects



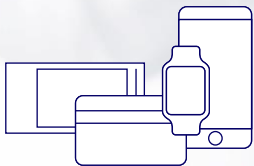
Digital Infrastructures

Protecting systems, networks and confidential data



Whether it's cash, card or smartphone: the market is growing.

Payments are always made, regardless of the form: cash, electronic or digital. As users, we now enjoy unprecedented flexibility in our choice of payment method. And the markets continue to grow.



Cash

80% of consumer payments worldwide are made in cash

Smart Card

Card payments are growing fastest worldwide and are the basis for mobile payments

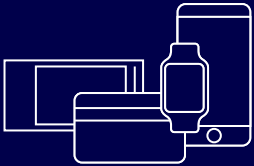
CBDC¹

86% of all central banks are looking into the introduction of digital currencies

1 Central Bank Digital Currency

Our key success factor

As a global market leader, G+D has a unique portfolio of solutions along the entire physical, electronic and digital payment cycle – including a Central Bank Digital Currency (CBDC).



Cash



**Central Bank
Digital Currency
(CBDC)**



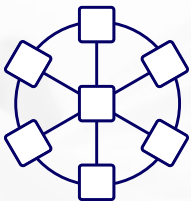
Card payment



Digital payment

We live, work and communicate in an increasingly connected way.

Billions of plants, sensors, and devices are already online worldwide – and up to one million will be added by 2023. Every hour. The Internet of Things (IoT) is already the largest machine ever built by mankind.



5G

In 2025, more than 50% of all mobile data will be exchanged via 5G connections

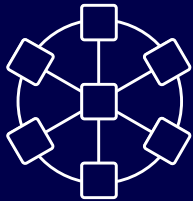
eSIM

One in three smartphones shipped in 2025 will be eSIM-enabled

Automotive

By 2025, nearly 900 million smart vehicles worldwide will be connected to the Internet

Our key success factor
In a rapidly growing IoT ecosystem, we are the trusted partner for mobile network operators, smartphone OEMs, IoT companies and the automotive industry.



Pluggable SIM



eSIM



**Secure
operating systems**



**Lifecycle
Management**



**Connectivity
for the IoT**

The world's population and mobility is growing.

Secure personal identities are the basis for modern life for billions of people in a connected world – both physically and digitally.

At the same time, solutions for eGovernment are gaining in importance – exchanges between citizens and the state are increasingly taking place online.



Digital Identities

1000% increase in digital identity revenue is projected over the next four years.

Legal Identity

According to the UN's Sustainable Development Goals, by 2030 everyone should possess a legal identity

Passports

The worldwide shipments of polycarbonate passports will more than double to 125.5 million in 2025

Our key success factor

G+D secures physical and digital identities and the authentication of people and objects. Veridos, our joint venture with Bundesdruckerei, offers highly secure ID documents, border control and identification systems.



Governmental Documents



Lifecycle Management



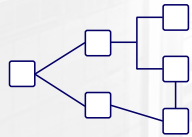
Verification



eServices

Digital security is a basic need in our modern world.

Our lives are becoming increasingly connected and digital. This also boosts the number and complexity of cyber attacks. That's why trusted IT security solutions are in growing demand for governments and businesses. The global market for cybersecurity promises enormous growth opportunities.



Internet of Things

Today, the Internet of Things (IoT) already connects some 30 billion devices worldwide.

Cybersecurity

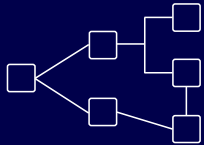
Damage from cybercrime costs about 1% of global GDP annually, around \$1 trillion.

Mobile working

In February 2021, 49% of working Internet users worked from home.

Our key success factor

Our subsidiary secunet is Europe's leading cybersecurity company and IT security partner to the Federal Republic of Germany. secunet enables digital sovereignty for governments, companies and society.



Network security for authorities and armed forces



Biometrics & automated border control



Security for the Industrial IoT



Secure eHealth solutions



Secure Cloud

Financial Year 2020

Revenue



2.31

EUR billion

Operating Result
(EBIT)



131

EUR million

Incoming Orders



2.4

EUR billion

G+D is present in 33 countries worldwide

Presence in

33

countries

76

subsidiaries
& joint ventures

11,500

Talents worldwide



Innovation is what drive us

Innovative since 1852

1852

Founded in
Leipzig, Germany



1968

Co-development
of the
Eurocheque
system as the
first cashless
form of payment

1975

First systems for
banknote automation



1981

First chipcards
produced



1991

First commercial
SIM card worldwide



2015

Introduction
of the eSIM

2016

Mobile
Driver's
License:
eGovernment
solutions in
Serbia/
Kosovo

2020

G+D Filia:
Solution for a
Central Bank
Digital Currency
(CBDC)



Group Executive Committee



Giesecke+Devrient
Creating Confidence



Group CEO
Ralf Wintergerst



Group CFO
Dr. Peter Zattler



CEO
Dr. Wolfram Seidemann
G+D Currency Technology



CEO
Carsten Ahrens
G+D Mobile Security



*Member of the
Management Board*
Gabrielle Bugat
G+D Mobile Security



CEO
Andreas Räschmeier
Veridos



CEO
Axel Deininger
secunet



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Creating Confidence

