



THE SILICON TRUST DIRECTORY



Introducing the Silicon Trust

The industry's benchmark silicon-based security partner platform

Since the year 2000, when Silicon Trust was founded by Infineon Technologies as a non-profit membership organization, the program has developed to be a key partner platform for companies aiming at stimulating the understanding, adoption, use and widespread acceptance of silicon-based security solutions in a broad variety of applications including Identification, Telecom and Payment.

Today, the key driving forces behind Silicon Trust are the three executive partners Gemalto, Giesecke & Devrient and Infineon, supported by the German BSI in the Silicon Trust advisory board.

Many partner companies along the value chain of silicon-based security participate in the discussions and activities of the Silicon Trust.

SILICON TRUST objectives

The Silicon Trust program focuses primarily on:

- bringing together, in an open environment, leading users and technologists from the public and private sectors with industry and government decision makers (workshops),
- the development and implementation of marketing and education programs (including white papers, articles etc.),
- educating end customers about the effective levels of security,
- identifying new projects, new programs and new technical trends in new geographic regions and market segments.

The Silicon Trust program has, over the last few years, become a well-respected and established partnership program within the security industry, and has certainly achieved its initial goal of raising awareness for silicon-based security.

www.silicon-trust.com

AdvanIDe

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AdvanIDe – Advanced ID Electronics is one of the leading silicon distributors focused on components for RFID transponders, chip cards and RFID readers and terminals. We have a global sales network with warehouses across the world. This makes us the leader in customer logistics support / secured warehouse facilities with best understanding of value chain and value creation with a dedicated Field Application Engineering Team.

Mission

“To offer our silicon partners a leading platform and sales organization to improve their position in each market segment of their identification and chip card business by providing superior support to the distribution customers.”

Vision

“To become the most valued provider of silicon for RFID and chip cards in the identification

AdvanIDe[®]
An ASSA-ABLOY Group brand

industry and the prime partner for leading silicon suppliers and our customers.”

We are member of the Silicon Trust Partner Platform to meet people of the identification area in order to exchange information of the market. This enables us to increase our business and always have the latest news and trends, especially on new products, available.

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BALTECH is specialized in ISO14443 / 15693 / NFC Reader technology. The core competencies are RF-Interface technology and sophisticated high level functionalities supporting the latest card technologies and security mechanisms. All products are 100% developed and manufactured in-house. This is the basis for customization capabilities offered to deliver application tailored, cost optimized products

from readers up to terminals with individual functionalities for applications like loyalty, e-purse etc.

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Bundesamt für Sicherheit in der Informationstechnik



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Secure information technology for our society

The German Federal Office for Information Security (BSI) is an independent and neutral authority for IT security.

It has been established in 1991 as a high level federal public agency within the area of responsibility of the Ministry of the Interior. The BSI employs a staff of around 500 people and has a budget of some 60 million Euro.

BSI's ultimate ambition is the protection of information and communication. In this context, BSI has three strategic targets:

Prevention: Protecting information infrastructures adequately

Preparedness: Responding effectively to IT security incidents

Sustainability: Enhancing German competence in IT security/Setting international standards

Especially in the area of smart card technology, BSI is responsible for the design and definition of secure solution requirements for governmental identification documents. The German ePassport has been introduced in 2005, the second ePassport generation followed 2007, and starting in 2010 the all new German eID card will open a new trustworthy approach to Internet authentication for all German citizens. Security of all these documents is based on BSI specifications, developed in close collaboration with European/international standardization bodies and leading industry partners.

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charismathics

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charismathics is a global leader in identity management software. Its premier product, the charismathics Smart Security Interface (CSSI), makes it cost-effective and easy for enterprises to integrate multiple authentication solutions into a single, transparent interface. Since 2003, charismathics has pioneered the field of Public Key Infrastructure (PKI), introducing the first PKI client to support Trusted Platform Modules (TPM) and the first PKI client to be fully integrated with pre-boot environments. charismathics also bundles its premier solution with silicon based hardware devices, primarily

smart cards and USB cryptographic tokens, where physical and logical security needs also meet when contactless chips and RFID tags are embedded. charismathics is partnering with a growing number of world key players in the field of single sign on, hard disk encryption, digital certificate issuance. Envisioning a revolution in mobile Internet devices, charismathics has turned to this technology as well releasing iEnigma, a software which secures handheld units such as the iPhone, the iPod Touch and most phones featuring Windows Mobile, and provides streamlined two-factor authentication

for the enterprise. charismathics offers security products and PKI consulting in a variety of industries including banking and finance, healthcare, telecommunications, security, government and PC manufacturing.

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Giesecke & Devrient



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The Giesecke & Devrient (G&D) Group is a leading global technology provider with its headquarters in Munich, Germany, and 49 subsidiaries, joint ventures, and associated companies across every continent. At the end of 2008, G&D had a headcount of around 10,000. The Group generated total sales of around 1.7 billion euros in the 2008 fiscal year. The family-owned company was founded in Leipzig in 1852.

Its customer-centric products, systems, and services make G&D a reliable partner for governments, central banks, public authorities, and other companies. G&D offers innovative products, services, and solutions for banknote production and processing (Banknote business unit), as well as smart cards and complex system solutions for protecting electronic transactions and data, particularly in the fields of telecommunications and electronic payment (Cards and Services business unit).

It also provides high-security travel documents, healthcare cards, and ID cards that both serve as a means of traditional identification and secure online authentication (Government Solutions business unit). In conjunction with these high-security documents G&D also offers system solutions for data capture, personalization, verification and border control.

Research and development has always been a top priority for G&D. With almost 1,000 developers working on new products and processes the R&D spending totaled around 110 million euros in fiscal 2008.

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Gemalto

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Gemalto is the world leader in digital security with 2008 annual revenues of €1.68 billion, and 10,000 employees operating out of 75 offices, research and service centers in 40 countries.



Gemalto delivers on the growing demands of billions of people worldwide for mobile connectivity, identity and data protection, credit card safety, health and transportation services, e-government and national security.

We do this by supplying to governments, wireless operators, banks and enterprises a wide range of secure personal devices, such as subscriber identification modules (SIM), Universal Identity Circuit Cards (UICC) in mobile phones, smart banking cards, smart card access badges, electronic passports, and USB tokens for online identity protection. To complete the solution we also provide software, systems and services to help our customers achieve their goals.

In the public sector, Gemalto provides secure documents, robust identity solutions and services for governments, national printers and integrators in the service of citizens. Its products and solutions are deployed in more than 50 government programs worldwide.

Gemalto is contributing to more than 20 ePassport initiatives; over 15 eID national programs and is active in all major eHealthcare schemes and numerous e-driving license, vehicle registration and tachograph projects.

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HJP Consulting

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HJP Consulting, with its headquarters near Paderborn (Germany), is an internationally acting consultancy that specializes in planning and testing smart card solutions with a particular focus on the health and identification sector. Governments around the world use the consulting services of HJP Consulting to introduce new IT systems for issuing the new electronic passports. HJP Consulting e.g. has been working for the Ministry of the Interior of the United Arab Emirates on the planning, procurement, project management and final acceptance of the national e-passport system. HJP Consulting also incorporates the experience gained by its consultants into such passport systems.

On behalf of German Federal Office for Information Security (BSI) and in collaboration with the International Standardization Organization (ISO), HJP Consulting thus took on the editorship of the ICAO Test Standards for e-Passports. Markus Hartmann, Managing Director of HJP Consulting, has been a

member of the ICAO Implementation and Capacity Building Working Group (ICBWG) since 2008. On behalf of the ICAO, the internationally composed working group supports states with the introduction of machine-readable travel documents in accordance with the standards of the ICAO.

HJP Consulting develops and distributes GlobalTester, a comprehensive environment to test the compliance of e-passports, inspection systems and the German ID-card. In cooperation with partners HJP Consulting provides test- and certification services for e-passports and e-passport reading devices.

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Infineon

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Infineon Technologies, Neubiberg, Germany, focuses on the three central challenges facing modern society: Energy Efficiency, Communications and Security. Infineon offers semiconductors and system solutions for automotive and industrial electronics, chip card and security applications as well as applications in communications.

Infineon is the world leader in hardware-based security components since more than a decade. Based on its core competences in security, contactless communication and embedded control, Infineon provides a broad portfolio of secure semiconductor-based products for a wide spectrum of smart card and security applications.

Infineon contributes its expertise to increase the security of today's solutions in all relevant



application fields, like identification of persons, payment, public transportation, entertainment, mobile and pre-paid communications, object identification, trusted computing and embedded security.

Infineon's products stand out for reliability, quality excellence and innovative leading-edge technology in analogue and mixed signal, RF and power as well as embedded control.

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Inspectron Ltd

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Since 1976, Inspectron has been in the forefront of the document integrity and verification marketplace.

Whether a document is an e-passport, ID card, personalized document, credit card or a transactional document, it is important to ensure that all stages of the production are correct. It is crucial that they are correctly assembled, matched and personalized to the intended recipient.

Accountability and traceability are key factors all the way through the various production processes to final fulfillment.



We combine outstanding technical expertise with world-class products to meet our Customers individual requirements. Our solutions are designed to work on individual production equipment such as Printers, Inserters, Booklet Makers, through to multiple devices and sites. We capture, manage, store, preserve and deliver information to support and enhance business processes.

Our extensive global client base includes many Financial Institutions, Service Sector Organizations, Government Departments and Utilities.

Our customers benefit from up-to-date information, which is securely, and efficiently managed, delivering reduced costs and improved productivity across their production departments and enterprises.

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Precise Biometrics

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Precise Biometrics is a market-leading provider of products and solutions for fingerprint recognition. The technology proves people's identities in a fast and secure way, while it reduces costs related to password management, identity theft and fraud.

Precise Biometrics serves businesses and government organizations throughout the world and its technology is licensed to close to 100 million users. Precise Biometrics is listed on NASDAQ OMX Stockholm small cap list (PREC).

For more information, please visit www.precisebiometrics.com or view a presentation <http://www.precisebiometrics.com/movie>

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SAFE ID Solutions AG

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SAFE ID Solutions AG provides integrated security solutions to the global ID market with systems optimized for new generation electronic documents containing RFID technology, biometric features and advanced encryption algorithms.

Innovative, flexible products and outstanding project experience enable governments working with SAFE ID to maximize the level of security and convenience in all ID related processes and to assure the issuance and authentication of latest ID documents.

Consulting governments, analyzing national security concepts to detect and eliminate security and efficiency leaks, and proposing customized concepts are one of SAFE ID's core competences. The portfolio of special developed ID products, a wide network of partners and years of market experience, enable SAFE ID to plan, implement and run full national ID systems based on latest technologies and security standards.

In times of globalized movements, secure ID systems become inevitable for the security and

integrity of borders and citizens. SAFE ID supports the required shift to standardized and interoperable identity infrastructures with a high-end solution portfolio that covers passports, visas, ID cards, border control as well as all related infrastructures.

SAFE ID actually provides governments and organizations in more than 25 countries.

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SCM Microsystems



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SCM Microsystems is a global leader in security and identity solutions for secure access, secure identity and secure exchange. For organizations and individuals that need to secure their digital assets, electronic transactions and facilities, SCM provides solutions that cut costs and reduce risk and liabilities. Instead of providing only a piece of the puzzle, SCM's offerings are broad and integrated, enabling complete solutions that allow customers to turn to a single source to meet all their security and identity management challenges.

Together with its Hirsch Electronics subsidiary, SCM offers the world's broadest range of contact, contactless and mobile smart card reader technology, digital identity and transaction platforms, as well as systems that integrate physical and logical access control,

secure data storage and transmission, digital certificates, biometrics and digital video. SCM's solutions are used in a wide variety of industries for security, identity, contactless payment, e-health and electronic government services.

SCM Microsystems, Inc. operates globally, with U.S. headquarters in Santa Ana, California and European headquarters in Ismaning, Germany. The company's stock trades on the NASDAQ (symbol SCMM) and the Frankfurt Prime Standard (symbol SMY) exchanges. More information can be found at www.scmmicro.com and www.HirschElectronics.com.

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SC2 is a subsidiary of Nisko Projects & Communications Ltd, established in 1999. SC2 is a world leader in the provision of Security Chip and



Communication solutions. The company offers a wide variety of solutions meeting the latest security needs.

The SC2 team is comprised of talented and experienced security architects and engineers, combining extensive experience with real world-wide implementations of Smart Card technology, including Contact, Contact-less and Dual-Interface Smart Cards.

SC2 Smart Cards are designed with state-of-the-art cryptographic algorithms and solutions, tailored to the specific requirements of customers. SC2 solutions include e-Health, e-ID, e-Passport, Citizen cards, Signature cards, e-Employee cards, e-Banking solutions including worldwide credit card companies and transportation.

Due to confidentiality agreements SC2 cannot provide information of successful projects. SC2 have won and delivered many important qualitative projects.

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SID-Consult GmbH

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SID-Consult GmbH works as an independent security consultancy. The general manager Dipl.-Ing. Heinz B. Artmann has more than 20 years experience in Security Printing and Smart card technologies and more than 40 years experience in the Graphic Arts Industry.

Since Dipl.-Ing. Heinz B. Artmann has been doing business in the security industry for years he has good knowledge about all suppliers and their consumables their suppliers and recent developments in all over the world.

The Top business domains of SID-Consult are MRTDs (Machine Readable Travel Documents) i.e. Passport and ePassport in all its appearances (eCover or Holderpage), Visa and eVisa, national ID and eID, residence permit, driver license, voting cards etc.

The areas of our expertise are Prepress, Printing, Finishing, Personalization, Implementation, Inspection, Stress tests and Border Control.

Other competences are public security, security paper mills, banknotes and other security documents.

SID-Consult prepares expert opinions of fraud and counterfeiting.

SID-Consult offers:

- Sophisticated planning work
- Long term experience
- Training and introduction to security printing and RFID technology.
- Neutrality and flexibility
- Reliability and secrecy

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Siemens IT Solutions and Services is an internationally leading provider of IT solutions and services. It covers the entire IT service chain from a single source, from consulting to system integration, right through to the management of IT infrastructures. In addition, Siemens IT Solutions and Services extends the range of offerings of the other Siemens Sectors to include IT solutions. With its comprehensive know-how and industry-specific knowledge, Siemens IT Solutions and Services provides measurable added value for its customers.

Experience and innovative spirit have made Siemens IT Solutions and Services a leading solutions provider especially for the public sector. For 40 years, we have supported public organizations with our sound IT and industry-specific know-how. An integrated understanding of workflows and processes is the central theme running through all of our solution areas. One particular strength is our

SIEMENS

ability to develop the latest technologies, such as RFID, mobile communication, biometrics and PKI, in terms of their practical suitability and integrate them into intelligent solutions e. g. for electronic ID, border control and emergency management.

Founded in January 2007, the new Siemens Division employs more than 41,000 people and posts annual sales of about 5.3 billion euros, of which over 70 percent are generated outside of the Siemens Sectors. More information at: www.siemens.com/it-solutions.

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United Access

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United Access is focused on secure, high-end smart card and RFID based solutions. We are acting as a security provider with a broad range of standard and integration components. Our prime aim is to offer secure components with simple integration interfaces combined with deep know-how based on a long lasting experience. United Access is the support partner for the Infineon smart card operating system SICRYPT. Topics like cryptography, key management, PKI, RSA, elliptic curve are part of our daily business.

United Access provides secure sub-systems to various markets like public transport, road toll, logical access, logistics, parking systems, brand protection, physical access control and others.

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Executive Board



Giesecke & Devrient
Creating Confidence.



Advisory Board



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Partners



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the middleware company



SIEMENS



Inspectron
ENSURING DOCUMENT INTEGRITY

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