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**SUSTAINABLE
DEVELOPMENT**

13th
The most authoritative
directory in the industry

2017 **Top** Suppliers **50**



ePassport technology

Electronic passports and eIDs in their millions are in circulation around the world with developing countries embracing the transformational digitalization trend. Currently, more than 2 billion biometric National IDs and 690 million biometric ePassports are currently in circulation. Issues such as the rise in terror attacks, the refugee crisis, cross-border migration, illicit trade and international crime are also incentivizing

governments to establish enhanced border control infrastructures, while e-passports are also ensuring swift and efficient throughput of legitimate travelers. For 13 years, our "Top 50 Suppliers of ePassport Technology" features the most active players in the ePassport and eID evolution, who are driving advancements in biometrically enabled, machine-readable identities and travel documents (MRTDs).

- » **Manufacturing electronic IDs**
- » **Integrating ePassport systems**

Top 50 Suppliers

ePassport technology

Components						Equipment	IT Systems	Services			
Security Paper	IC Chips	Operating Systems	Inlays / Antennas	Cards / Passports	Prelaminates	Card Manufacturing	Data Capture and/or Personalization	Software / Applications	Readers/ Hardware	System Integrator	Value Added Reseller

3M	www.3M.com/security					✓		✓		✓	✓	
Access IS	www.access-is.com					✓	✓			✓		
ASK	www.ask-rfid.com				✓	✓				✓		
Atlantic Zeiser	www.atlanticzeiser.com					✓	✓	✓			✓	
Austria Card	www.austriacard.at			✓		✓		✓	✓			
Bundesdruckerei	www.bundesdruckerei.de					✓	✓	✓	✓	✓		
Cetis	www.cetis.si					✓			✓		✓	
Cognitec Systems	www.cognitec.com							✓				
Crossmatch	www.crossmatch.com							✓	✓	✓		
Cryptovision	www.cryptovision.com			✓		✓			✓		✓	
De La Rue	www.delarue.com	✓	✓	✓	✓	✓		✓			✓	✓
Dermalog	www.dermalog.de							✓	✓	✓		
Diletta	www.diletta.com					✓		✓	✓	✓		
Entrust Datacard	www.entrustdatacard.com			✓				✓	✓			
Gemalto	www.gemalto.com		✓	✓	✓	✓		✓	✓	✓	✓	
GET Group	www.getgroup.com					✓		✓	✓	✓	✓	✓
Giesecke & Devrient	www.gi-de.com	✓		✓	✓	✓		✓	✓	✓	✓	
HID Global	www.hidglobal.com				✓	✓		✓	✓	✓	✓	
IAI	www.iai.nl							✓				
Industrial Innovation Group	www.industrialinnovationgroup.com	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Infineon Technologies	www.infineon.com		✓									
Integrale Solutions	www.integralesolutions.com	✓		✓	✓	✓		✓	✓	✓	✓	
Iris	www.iris.com.my		✓	✓	✓	✓		✓	✓	✓	✓	✓
Ixla & Gap Laser	www.ixla.it							✓	✓			
JDSU	www.jdsu.com	✓										
Kugler-Womako	www.kugler-womako.com									✓	✓	
Landqart	www.landqart.com				✓	✓						
Lumidigm	www.lumidigm.com							✓		✓		
MaskTech	www.masktech.de			✓				✓	✓			
Melzer	www.melzergmbh.com				✓	✓	✓					
Monet+	www.monetplus.cz							✓	✓		✓	✓
Morpho	www.morpho.com			✓	✓	✓		✓	✓		✓	

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Security Paper	IC Chips	Operating Systems	Inlays / Antennas	Cards / Passports	Prelaminates	Card Manufacturing	Data Capture and/or Personalization	Software / Applications	Readers/ Hardware	System Integrator	Value Added Reseller

Mühlbauer	www.muehlbauer.de						✓	✓	✓	✓	✓	
Multipolaris	www.multipolaris.hu	✓		✓	✓	✓		✓	✓	✓	✓	✓
Nadra	www.nadra.gov.pk				✓		✓	✓	✓		✓	✓
Nagra ID	www.nagraid.com		✓	✓	✓	✓						
NBS Technologies	www.nbstech.com				✓		✓	✓		✓		
NetSeT Global Solutions	www.netsetglobal.rs				✓			✓	✓	✓	✓	✓
NXP	www.nxp.com		✓	✓	✓							
Oasys	www.oasys.uk.com				✓		✓	✓				
On Track Innovations	www.otiglobal.com		✓	✓	✓	✓		✓	✓	✓	✓	✓
Optaglio	www.optaglio.cz	✓				✓						
Orell Füssli	www ofs.ch	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Otto Künnecke	www.kuennecke.com							✓	✓	✓		
PAV Card	www.pav.de	✓			✓	✓		✓	✓			
ruhlamat	www.ruhlamat.com		✓		✓	✓		✓	✓		✓	
Secunet	www.secunet.com				✓			✓	✓		✓	
Secure Tech Consultancy	www.securetech-consultancy.com			✓		✓		✓	✓	✓	✓	✓
Sicpa	www.sicpa.com	✓						✓	✓		✓	
Smart Packaging Solutions	www.s-p-s.com				✓		✓					
Smartrac	www.smartrac-group.com				✓	✓	✓					
Supercom	www.supercom.com		✓			✓		✓				
Suprema	www.supremainc.com					✓		✓		✓	✓	
Thales	www.thalesgroup.com					✓			✓		✓	
UL Transaction Security	www.ul-ts.com					✓		✓	✓	✓	✓	✓
Unisys	www.unisys.com			✓				✓	✓		✓	
Veridos	www.veridos.com	✓		✓	✓	✓		✓	✓	✓	✓	
Vision-Box	www.vision-box.com		✓	✓		✓	✓		✓	✓	✓	
Zetes	www.zetes.com			✓		✓		✓	✓	✓	✓	

LEGEND

COMPONENTS

SP = Security Paper
IC = IC Chips
OS = Operating Systems
INL = Inlays/Antennas
CARDS = Cards/Passports
PL = Prelaminates

EQUIPMENT

MF = Card Manufacturing
PERS = Data Capture and/or Personalization

IT SYSTEMS

APP = Software/Applications
HW = Readers/Hardware

SERVICES

SI = System Integrator
VAR = Value Added Reseller

3M Security Systems Division

www.3M.com/security

CARDS, PERS, HW, SI

1545 Carling Ave., Suite 700, Ottawa, Ontario – Canada

Tel. +1 613 720 2070

Fax +1 613 720 2063

3M Security Systems, Identification & Authentication security solutions from one of the world's most trusted and innovative companies. Industry experience. Global reach. Ingenious technologies. Integrity. Credentials that have made 3M a leading provider of security solutions. Serving customers in over 200 nations, you not only get the personal attention of a local company, but also benefit from the strength of an experienced, reliable, global organization. 3M™ ePassport Readers, 3M™ Identity Document Issuance Systems, 3M™ Border Management Systems and 3M™ Confirm™ Laminates offer proven security.

Access IS

www.access-is.com

CARDS, MF, HW

18 Suttons Business Park, Reading, Berkshire, RG6 1AZ – UK

Tel. +44 7748 770 632

Fax +44 118 926 7281

Access IS designs and manufactures innovative e-Passports, e-IDs, and e-DLs readers for Governmental and Commercial applications. From the world's smallest OEM OCR reader to our compact desktop Full-Page passport reader, we have a broad range of scanners to answer all your needs (i.e.: Border control & Immigration, ID Document Issuance, Law Enforcement, Hotel Check-in, Banking and Retail, Gaming, KYC, etc.). All our products are designed to be fast, accurate and highly reliable to endure years of heavy duty frontline use.

ASK

www.ask-rfid.com

info@ask.fr

INL, CARDS, HW

2260 route des Crêtes, BP337, 06906 Sophia-Antipolis – France

Tel. +33 4 97 21 40 00

Fax +33 4 92 38 93 21

ASK, with over 200 million contactless products in circulation in 50 countries, including more than 15 million ePassport inlays, is a worldwide provider of a full range of contactless devices including smart cards, smart tickets, smart adhesive labels, readers and inlays for electronic passports, eID documents and contactless smart cards. The ASK e-Identity range includes SPiD eCovers for ePassports, and CoreLam, for eID inlays. ASK has been selected by major clients worldwide to provide e-identity inlays to several governmental bodies.

Atlantic Zeiser

www.atlanticzeiser.com

thorsten.tritschler@atlanticzeiser.com

CARDS, MF, PERS, APP, SI

Bogenstraße 6-8, 78576 Emmingen – Germany

Tel. +49 7465 291-0

Fax +49 7465 291 166

Atlantic Zeiser is a world-leader in industrial high-security identification, coding and personalization solutions, offering total system solutions to governments and industries such as security printing (passport and banknote production), commercial printing, plastic card, telecom, pharmaceutical, banking, packaging, labels and cosmetics. The company specializes in card personalization systems and digital & security printing solutions by printing sensible variable data onto various products to create product identity – whilst ensuring full data and process integrity. AZ supports its customers through 11 subsidiaries as well as distribution and support offices in some 50 countries.

Austria Card

www.austriacard.at

isaales@austriacard.at

CARDS, OS, PERS, APP

Lamezanstrasse 4-8, 1230 Vienna – Austria

Tel. +43 1 610 65-0

Austria Card is a market leading and internationally operating company in the field of secure communications for payment, government and industrial applications. High standards, quality of life, innovation, and personal attention are the driving values of the company. Austria Card provides government authorities with national identity cards, driving licenses, digital tachograph cards, police identification, and passport data pages. The compliance with international standards shows that Austria Card meets the customers' demand for high levels of security: periodical audits of production processes and product quality as well as a continuous innovation process ensure that latest standards are met..

Bundesdruckerei

www.bundesdruckerei.de
info@bundesdruckerei.de

CARDS, MF, PERS, APP, HW, SI

Oranienstraße 91, 10969 – Berlin

Tel. +49 30 2598 0

Fax +49 30 2598 2205

Berlin-based Bundesdruckerei is one of the world's leading companies engaged in the development and supply of systems solutions for secure identification applications. In addition to full-scale passport and ID-card systems, the company provides national and international customers with ID documents, high-security cards, document verification hardware, security software along with trust center services. Bundesdruckerei also produces banknotes, postage and revenue stamps as well as electronic publications. Subsidiaries of the Bundesdruckerei Group are: BIS Bundesdruckerei International Services, D- TRUST, Maurer Electronics and INCO.

Cetis - High Security Printing House CARDS, APP, SI

www.cetis.si
info@cetis.si

Copova 24, 3000 Celje – Slovenia

Tel. +386 3 4278 500

Fax +386 3 4278 817

With its smart ID management solutions Cetis offers competent partnership to governments and companies. Cetis answers the questions of HOW TO provide cutting edge identification documents and identity management solutions taking into account demands of customers. System integration accompanied by security printed matter is Cetis's turnkey service. We have patented solution for e-passport with polycarbonate data page and have a nationally awarded innovation – Nanotech intaglio lamination plates. Highest security standards are self-evident: ICAO/ISO, CWA 14641, FSCC (Facility Security Clearance Certificate), EMV & CQM.

Cognitec Systems

www.cognitec.com
info@cognitec.com

APP

Grossenhainer Str. 101, D-01127 Dresden – Germany

Tel. +49 351 862 920

Fax +49 351 862 9210



Cognitec develops market-leading face recognition technology and applications for enterprise and government customers around the world. Various independent evaluation tests have proven the premier performance of the FaceVACS® software. Cognitec's portfolio includes products for facial database search, video screening and analytics, border control, ICAO compliant photo capturing and facial image quality assessment. Corporate headquarters are located in Dresden, Germany; other offices in Miami, FL; Rockland, MA; and Sydney, Australia.

Crossmatch

www.crossmatch.com
sales@crossmatch.com

APP, HW, SI

3950 RCA Boulevard, Suite 5001, Palm Beach Gardens FL 33410 – USA

Tel. +1 561 622 1650

Fax +1 561 622 9938

Crossmatch helps organizations solve their identity management challenges with market-specific biometrics technologies. We empower governments, law enforcement agencies, banks, retailers and other enterprises to mitigate risk, drive productivity and improve service levels. Our solutions are built on consultative expertise, refined best practices and the application of advanced biometrics technologies. Crossmatch understands the forces of change in the markets we serve and we develop solutions that anticipate customer requirements. Our network of consultative and technical service experts collaborate with customers in more than 80 countries worldwide.

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Cryptovision

www.cryptovision.com
info@cryptovision.com

CARDS, OS, APP, SI

Munscheidstr. 14, 45886 Gelsenkirchen - Germany

Tel. +49 2 09 1 67 24 50

Fax +49 2 09 1 67 24 61

cryptovision is a world-leading specialist for cryptography and electronic identity solutions. The Germany based company has been specializing in this field for 15 years, with hundreds of successful projects delivered. More than 100 million people worldwide make use of cryptovision products every day in such diverse sectors as defense, automotive, financial, government, retail and industry.

De La Rue

www.delarue.com
identity.systems@uk.delarue.com

SP, IC, OS, INL, CARDS, MF, PERS, SI, VAR

De La Rue House, Jays Close Viabes, Basingstoke, Hants RG22 4BS – UK

Tel. +44 1256 605000

Fax +44 1256 605299

De La Rue's intelligent Government solutions ensure the integrity of every individual's identity, today and tomorrow. A reliable and trusted partner of governments worldwide, De La Rue has implemented over 100 projects in 65 countries in the last 6 years alone, focusing on the provision of passport, ePassport, national ID, eID, driving license and voter registration schemes. A specialist identity systems integrator, we pride ourselves on the ability to deliver complete identity solutions with the highest possible levels of end-to-end security.

Dermalog

www.dermalog.de
info@dermolog.de

PERS, APP, HW

Mittelweg 120, 20148 Hamburg – Germany

Tel. +49 40 4132270

Fax +49 40 41322741



As the name - derived from the Greek terms "derma" (skin) and "logos" (mathematical logic) - suggests, Demalog is active in the fields of biometric identification technologies. Dermalog's technology, based on more than 20 years of experience, is employed in border control, access control, civil and criminal AFIS (automatic fingerprint identification system), smart card and biometric logon applications. The company has its head office in Hamburg and a branch office in Kuala Lumpur, Malaysia, with further branches planned in the most important markets and continents.

Diletta

www.diletta.com
contact@diletta.com

CARDS, MF, PERS, APP, HW

Industriestrasse 25-27, D-64569 Nauheim – Germany

Tel. +49 6152 18040

Fax +49 6152 180422

For more than five decades DILETTA has been engaged in the development and production of identity products and security systems for governments and other national institutions. DILETTA offers complete systems for centralized and decentralized personalization of high security travel documents which support all safety criteria, contactless chip technology and machine readable features. With over 30,000 installations in more than 100 countries we have gathered an amazing expertise and ample experience.

Gemalto

www.gemalto.com
eric.billiaert@gemalto.com

IC, OS, INL, CARDS, MF, PERS, APP, HW, SI

6, rue de la Verrerie 92190 Meudon – France

Tel. +33 1 55 01 50 00

Born of the combination of the two historic leaders in smart card solutions - Gemplus and Axalto - Gemalto is a leader in digital security solutions and dedicated to making personal digital interactions more convenient, secure and enjoyable. The company provides end-to-end digital security solutions, from the development of software applications through design and production of secure personal devices such as smart cards, SIMs, ePassports, and tokens, to the management of deployment services for its customers. Gemalto has operations in about 100 countries and over 10,000 employees including 1,300 R&D engineers.

ENTRUST DATACARD MF, PERS, APP

Trusted identities and secure transactions with solutions for regional or national governments



Consumers, citizens and employees increasingly expect anywhere-anytime experiences — whether they are making purchases, crossing borders, accessing e-gov services or logging onto corporate networks. They also expect the ecosystems that allow this freedom and flexibility to be entirely reliable and secure. Entrust Datacard offers the trusted identity and secure transaction technologies that make these ecosystems possible.

Citizens expect speed and convenience when they cross borders, vote and access e-gov services. Solution providers abound, but every increase in speed and ubiquity brings new challenges — primarily in terms of security, efficiency, cost and program risk. We offer technologies that empower governments to enhance service levels while strengthening security, mitigating risk and controlling costs. Solutions range from citizen enrolment and document issuance to technology physical and digital credentials.

Mobile devices, hosted applications and other new elements of enterprise ecosystems present tremendous upside in terms of innovation, collaboration and productivity. They also present new vulnerabilities. Entrust Datacard provides identity-based solutions that streamline and safeguard access — to facilities, networks and the cloud — for employees and other authorized users. The scalability of our identity-based solutions allows enterprises to respond quickly to changing security needs.

Entrust Datacard
1187 Park Pl, Shakopee
MN 55379 – USA

Tel: +1 952 933 1223
www.entrustdatacard.com



GET Group

www.getgroup.com
info@getgroup.com

CARDS, PERS, APP, HW, SI, VAR

230 Third Avenue, Waltham, MA 02451 – USA

Tel. +1 781 890-6700

Fax +1 781 890-6320

GET Group is a world leader in passport and ID issuing solutions. For more than two decades, GET Group has led the industry with state-of-the-art systems utilizing the world's most advanced digital printers manufactured by Toppan Printing Co. Ltd. of Japan, exclusively provided by GET Group. Governments from all over the world, including Belarus, Canada, Malaysia, Oman, Qatar, South Korea, UAE, USA and Zimbabwe, are proudly using our systems to issue highly secure passport and ID documents.

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Giesecke & Devrient
www.gi-de.com

SP, OS, INL, CARDS, MF, PERS, APP, SI
Prinzregentenstrasse 159, 81677 Munich – Germany

Tel. +49 89 41190

Fax +49 89 41191535

The Giesecke & Devrient (G&D) Group is a leading global technology provider with its headquarters in Munich, Germany. Government Solutions is one business unit of the G&D Group and provides high-security travel documents, identification and healthcare cards as well as solutions for document and product authentication. The company provides expertise extending from consulting and implementation through to the maintenance of identification systems for documents. It also delivers system solutions for data entry, personalization, authentication, and border control in the field of high-security documents.

HID Global
www.hidglobal.com

INL, CARDS, MF, PERS, APP, HW, SI
15370 Barranca Pkwy, Irvine, CA 92618 – USA

Tel. +1 949 732 2000

Fax +1 949 732 2120



HID Global is the trusted leader in products, services and solutions related to the creation, management, and use of secure identities for millions of customers worldwide. Recognized for robust quality and innovation, HID Global is the supplier of choice for OEMs, integrators, and developers serving a variety of markets that include physical access control; IT security, including strong authentication/credential management; card personalization; visitor management; government ID; and identification technologies for technologies for a range of applications.

IAI industrial systems
www.iai.nl
info@iai.nl

PERS
De Run 5406, 5504 DE Veldhoven – The Netherlands

Tel. +31 40 254 24 45

Fax +31 40 254 56 35

IAI designs, builds and supplies passport personalization equipment. Functionalities include chip encoding, laser engraving, inkjet printing and lamination, perforation of the passport number through the visa pages, perforation of the holder's photograph (ImagePerf) and the application of a label on the back cover. IAI offers high volume passport systems for centralised personalization (BookMaster One) and low volume systems for decentralised personalization (BookMaster Desk). The BookMaster One has recently been redesigned to offer a more flexible choice in configuration and speed.

Industrial Innovation Group
www.industrialinnovationgroup.com
info@ industrialinnovationgroup.com

SP, IC, OS, INL, CARDS, PL, MF, PERS, APP, HW, SI, VAR

Build. Z-2, exec. su. 85, SAIF Zone, Sharjah a/p, P.O. Box 9015, Sharjah, UAE

Tel. +971 65570725

Fax +971 65574810



IIG is a trusted security printing provider and adviser to governments, ministries, state agencies in the area of advanced technologies for manufacture of passports and other official ID documents. Industry experience: manufacture of passports and other official ID documents along with system solutions for document personalisation, secure data management systems and population registers (civil registers, national registers), Track&Trace systems to fight tax evasion and illicit trade. Our offer includes setup of a full manufacturing facility and transfer of state-of-the-art technology

Infineon Technologies
www.infineon.com/chip-card-and-security
SiliconIdentity@infineon.com

IC
Am Campeon 1-12, 85579 Neubiberg – Germany

Tel. +49 800 951 951951



Infineon Technologies AG offers the industry's most comprehensive product portfolio of semiconductor-based security products for a wide range of chip card and security applications including electronic ID documents, mobile payment and system security. With more than 25 years experience in security ICs and core competences in the fields of security, contactless communication as well as integrated microcontroller solutions (embedded control), Infineon is helping to augment data security in an increasingly connected world.

Integrale Solutions

www.integralesolutions.com
magali.notot@integralesolutions.com

SP, OS, INL, CARDS, MF, PERS, APP, HW, SI

Route du haut marais, 77320 Jouy sur Morin – France

Tel. +33 1 64 75 69 84

Fax +33 1 64 20 37 95

Integrale Solutions, a subsidiary of Arjowiggins Security SAS, specializes in both digital and physical security for the e-ID and secure documents market. Integrale Solutions is your trusted solution partner to deliver a complete end to end e-Document solution. We benefit from more than 15 years of e-ID implementation experience and expertise in high security document, advanced electronic technologies and system solutions. Integrale Solutions products are a perfect fit for a wide variety of official e-documents: e-passport, national e-ID cards, e-health cards, e-driver licenses, e-tickets, e-vouchers.

Iris

www.iris.com.my

IC, OS, INL, CARDS, MF, PERS, APP, HW, SI, VAR

Smart Tech. Complex, Tech. Park, Bukit Jalil, 57000 Kuala Lumpur – Malaysia

Tel. +603 89960788

Fax +603 89960441

Founded in 1994, IRIS the inventor of the world's first ePassport and multi-application smart card, has more than 20 years of experience as a technology innovator and leading provider of secure electronic identification documents for all trusted identity solutions. Recognized for excellence in ID technology, IRIS understands the importance of secure authentication, authorization concerns and standardization to the nation.

Ixla & Gap Laser Associated

www.ixla.it
renzo.eterno@ixla.it

PERS, APP

Via Ponte Chiusella 28, 10090 Romano C.se (Torino) – Italy

Tel. +39 0125 719286

Fax +39 0125 718455



IXLA & Gap Laser Associated is the sole OEM manufacturer able to offer a complete solution of laser personalization for e-ID cards and e-Passports providing the hardware, proprietary laser source, software libraries and technical support in an unique cost-effective package.

Jdsu

www.jdsu.com

SP

2 Applegate Drive, Robbinsville, NJ 08691 – USA

Tel. +1 609 632 0800

Fax +1 609 632 0850

Jdsu's Authentication Solutions group, now including ABNH, offers a market-leading set of overt and covert security solutions for authentication and brand protection, including counterfeiting protection of identity documents. The company's unique color-shifting technologies, such as OVP, SecureShift, MetaSwitch and Phantom, along with its Charms microstructured taggants, can be provided as integrated solutions, including printing on a variety of substrates for labels and packaging. And with the addition of ABNH, options now include holographic hot stamp foil, HoloMag, demetalized holographic laminates, and tamper-apparent holographic labels. Jdsu provides custom solutions for customer-specific authentication needs.

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Kugler-Womako

www.kugler-womako.com
info@kugler-womako.com

HW, SI

Schlosserstraße 15, 72622 Nürtingen – Germany

Tel. +49 7022 70020

Fax +49 7022 33444

Kugler-Womako is a supplier of machinery and the manufacture of production lines for security documents with integrated microchips. The company's machines for the production of passports and security documents fulfill the guidelines of the ICAO and the ISO for Machine Readable Passports (MRP) and electronic passports. The modular passport machine system, the PassPort 1-4 offers customized solutions, including RFID e-passports storing biometric data, high capacity interlock stitching and new cover and chip inlay lamination techniques.

Landqart

www.landqart.com

INL, CARDS

Kantonsstrasse 16, CH-7302 Landquart – Switzerland

Tel. +41 81 307 90 90

Landqart has been a trusted supplier for security paper for decades. The art of traditional papermaking is paired with innovative, new technologies at the landqart paper mill. The landqart e-passport cover is the solution for electronic passports. The chip with the biometric data is embedded in a flexible but highly durable synthetic composite structure – a unique concept.

Lumidigm

www.lumidigm.com
info@lumidigm.com

PERS, HW

801 University Blvd SE, Ste 302, Albuquerque, NM 87106 – USA

Tel. +1 505 2727084

Fax +1 505 2727354

Lumidigm is a biometric company dedicated to enabling convenient, secure, and reliable identification and verification. Powered by multispectral imaging, Lumidigm provides the world's best spoof detection while reducing the transaction time and enhancing the experience of the ePassport holder. Everyone can be enrolled. Everyone can be verified. Lumidigm's sensors are quick and easy to use - performance proven for high-throughput applications such as eBorders - and they can be integrated into any solution that requires identity management in the real world.

MaskTech

www.masktech.de

OS, PERS, APP

Masktech GmbH, Nordostpark 16, 90411 Nuernberg – Germany

Tel. +49 9119 551490

Fax +49 9119 551497



MaskTech is the leading independent provider of high security multi-application operating systems and customized Flash/ROM masked products for electronic identification applications. Our core product - MaskTech Chip Operating System (MTCOS) - is a high performance OS, especially designed for secure semiconductors with powerful crypto co-processor and RFID, dual interface or contact interface. MTCOS is available and certified Common Criteria EAL4+ on a unique variety of microcontrollers of different silicon vendors. MTCOS is a fully open standard compliant (ISO/IEC) multi-application system, used in over 60 country's travel, ID documents and authentication solutions worldwide. MTCOS is fully compliant to the ICAO DOC9303 (ePassport) standards, to BSITR-03110 and the eDL specification ISO/IEC 18013.

Melzer maschinenbau GmbH

www.melzergmbh.com
sales@melzergmbh.com

INL, CARDS, MF

Ruhrstr. 51 – 55, 58332 Schwelm – Germany

Tel. +49 2336 9292 80

Fax +49 2336 9292 85



For more than 60 years MELZER has been internationally recognised and established as the leading equipment supplier for the production of the most advanced ID documents, Smart Cards, DIF Cards, RFID Inlays and e-Covers for Passports. Customized solutions, the modular machine system and the lean production approach ensure and maintain unsurpassed yield rates, flexibility and profitability. The MELZER product portfolio also includes a broad range of versatile RFID converting equipment.

MONET +

www.monetplus.cz
obchod@monetplus.cz

PERS, APP, SI, VAR

Za Dvorem 505, 763 14 Zlin-Stipa, Czech Republic

Tel. +420 603 197 011

Fax +420 577 914 557

MONET+ is one of the leaders in security, payment and smart cards personalization solutions in the central Europe region. MONET+ has delivered personalization technology for Czech governmental projects of driver license, eID, eRP, e-passport, and digital tachograph. These deliveries cover required PKI infrastructure and communication systems, such as SPOC/NPKD, CVCA, DV as well. Further deliveries of MONET+ are in the area of smart card client authentication, electronic banking, banking cards acquiring and issuing, fleet card systems and mobile operators sector.

Morpho

www.morpho.com/e-documents
info@morpho.com

OS, INL, CARDS, PERS, APP, SI

11, boulevard Gallieni, 92130 Issy-les-Moulineaux – France

Tel. +33 1 58 11 25 00

Fax +33 1 58 11 25 50

Morpho, a high-technology company of Safran, is one of the world's leading suppliers of identification and e-document solutions. Through its e-Documents Division, Morpho is a worldwide leader in identity documents and secure credentials. It delivers trust through enrolment-, document-, personalization- and issuance solutions. The company manufactures and personalizes highly secure identity documents such as e-passports, ID cards, driver licenses and healthcare cards. Morpho is the world leader in biometrics and has delivered over 2 billion ID documents to date.

Mühlbauer

www.muehlbauer.de
info@muehlbauer.de

MF, PERS, APP, HW, SI

Josef-Mühlbauer-Platz 1, 93426 Roding – Germany

Tel. +49 9461 952 0

Fax +49 9461 952 1101

For over 30 years the Mühlbauer Group has been a reliable turnkey solution partner for private companies and the public sector in the areas of plastic- and chip cards, passports and various RFID applications around the world. The primary reason: our thinking and execution of a solution goes far beyond the ability of other suppliers. Especially for Government projects with applications such as ID cards, passports or driver's licenses we provide our clients an enormous array of options which save valuable time and resources.

Multipolaris

www.multipolaris.hu
multipolaris@multipolaris.hu

SP, OS, INL, CARDS, MF, PERS, APP, HW, SI, VAR

Ábel Jenő u. 23, 1113 Budapest – Hungary

Tel. +36-1-381 5000

Fax +36-1-381 5002

Multipolaris, which was founded in 1989, is specialized in the secure credentials personalization and issuing area. Since its establishment, more than 100 million secure credentials have been issued from our systems in four countries (Hungary, Poland, Slovakia, Spain). We are not only an IT solution provider; we operate a countrywide 24/7 high security personalization solution in Hungary.

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IT SYSTEMS

APP = Software/Applications
HW = Readers/Hardware

SERVICES

SI = System Integrator
VAR = Value Added Reseller

Nadra

www.nadra.gov.pk
abdul.baqi@nadra.gov.pk



CARDS, MF, PERS, APP, SI, VAR

Shahrah-i-Jamhuriat, G-5/2, Islamabad 4400 – Pakistan

Tel. +92 90392597

Fax +92 9108143

NADRA is one of the leading organizations in providing cutting edge technology in system integration and ID solutions in Pakistan. NADRA has one of the largest centralized databases of the world and offers ID solutions and services which keep secure national, social and cultural factors in mind to provide customized solutions for any country. The multiple product & service based applications include issuance of Citizen Registration Cards, Chip based Smart ID Cards, Travel Documents, Biometric based Border Control System, Motor Vehicle Registration System, e-Toll Collection System, Online Verification System, Biometric Verification System, Personnel & Access Control System and e-Commerce platform.

Nagra ID

www.nagraid.com

IC, OS, INL, CARDS

Crêt-du-Loche 10, 2301 La Chaux-de-Fonds – Switzerland

Tel. +41 32 924 04 04

NagraID (Switzerland), expert advisor and technology provider for the digital & ID security industry, offers tailor made products like secure smartcards, Display Cards, inlays, prelamines, e-Covers with gold printing and security features, etc with value-added services and transfer technologies for citizens ID's, corporate ID's, financial and e-Consumers ID's markets. NagraID's advanced technologies and product families are the results of 35 years of experience in micro-electronic product development, crowned by Swiss high precision, quality methodologies and heritage. NagraID's products are Certified ISO 9001:2008 & Security environment according to EMV and CCEAL5+. Established in 1976, NagraID joined the Kudelski Group in 2001.

NBS Technologies

www.nbstech.com
info@nbstechnologies.com

CARDS, MF, PERS, HW

703 Evans Avenue, Suite 402, Toronto M9C 5E9 – Canada

Tel. +1 416 621 1911

Fax +1 416 621 8875

NBS Technologies has remained a leading developer and provider of equipment for card personalization, EMV compliance/migration, smart card manufacturing and semiconductor handling equipment. Governments are clearly the most sensitive and aware of security and access control issues – National Security has never been more important. At NBS, we can deliver card personalization and card printing systems to governments that meet the needs of virtually any specific application. In either an instant, on-the-spot issuance scenario, remote/distributed/branch issuance or via a centralized card production facility, NBS has the solution that fits.

NetSeT Global Solutions

www.netsetglobal.rs
office@netsetglobal.rs

CARDS, PERS, APP, HW, SI, VAR

Osogovska 10, 11030 Belgrade – Serbia

Tel. +381 11 3058612

Fax +381 11 2547492

NetSeT Global Solutions is a trusted solution provider and system integrator for complex, national level projects - eID, eHealth, eDL/VL and ICAO ePassport. With more than 15 years of experience and 12 national projects worldwide, NetSeT is the leading eID/ePass company in SEE region. Flagship products and services: Central Identity Management System, CAMS, Enrolment, Perso Data Management, Smart Logistics, Secure National Registers, eGovernment PKI, EAC PKI, eID and PKI Applets, Secure Middleware, Strong Authentication and Encryption, Border Control, Entry/Exit Management System.

NXP

www.nxp.com

IC, OS, INL

Mikron-Weg 1, A-8101 Gratkorn – Austria

Tel. +43 3124 2990

Fax +43 3124 299330

With 2 billion chips sold to date, NXP Semiconductors is the world's leader in the design and manufacturing of contactless chips used in smart cards, smart labels and tags as well as in automotive systems and the corresponding reader components. NXP has been awarded over 80% of all ePassport projects globally, including the US, France, Germany and Singapore. Furthermore NXP is supplying its technology for major national ID, health card and driving license projects.

Oasys Technologies

www.oasys.uk.com
sales@oasys.uk.com

**CARDS, MF, PERS**

3 Stratton Bus. Park, Montgomery Way, Biggleswade, UK, SG18 8UB

Tel. +44 (0)1767 600232

Passports and ID Card production lines now form the basis of the latest range of high quality production equipment from Oasys Technologies. On passports and ID Cards, Oasys now has an established track record on machinery to produce the full E-Data Page product covering the key steps of collation, lamination and guillotining/punching operations.

On Track Innovations

www.otiglobal.com

IC, OS, INL, CARDS, MF, PERS, APP, HW, SI, VAR

ZHR Industrial Zone, P.O. Box 32, 12000 Rosh Pina – Israel

Tel. +972 4 686 8000

Fax +972 4 693 8887

Since 1990, OTI provides secure contactless smartcard technology for a wide variety of markets. OTI's offerings include products/solutions for ePassports, national IDs, electronic payments, petroleum payments, medical, and automatic parking and ticketing systems. OTI provides an end-to-end turnkey, interoperable, ICAO/ISO compliant solution for national ID/ePassports, driving/vehicle licenses, voter registration programs, ranging widely from data enrollment through population registry, biometric screening, and documents production, to eVisa and border control applications, including security printing, raw materials, smart inlays/covers/stickers, chips, operating system, readers and personalization systems.

Optaglio

www.optaglio.cz
jan.bitman@optaglio.cz

SP, CARDS

Rež 199, 250 68 Husinec-Rež – Czech Republic

Tel. +420 220 941 075

Fax +420 220 941 077

Optaglio helps governments tackle identity theft and illegal migration by delivering authentication solutions of the highest standards. We develop and innovate our protective solutions for both national and international ID documents in order to keep ahead of counterfeiters. Optaglio delivers advanced security for multilayer polycarbonate documents. The top solution for ID protection - OVMesh™ presents a superior alternative to hot stamping foils with high refractive index in terms of tamper resistance and design versatility and the ease of application.

Orell Füssli Security Printing

www ofs.ch
info@ofs.ch

SP, IC, OS, INL, CARDS, PL, PERS, APP, HW, SI, VAR

Dietzingerstrasse 3, CH-8036 Zürich – Switzerland

Tel. +41 44 466 77 11

Fax +41 44 466 79 01

Founded in 1519, Orell Füssli Security Printing is a leading provider of security technology, products and solutions for identification documents and systems, banknotes, and secure documents. Nowadays, travel documents must meet toughest security standards, and the development, production and issuing of passports, visa and other identification documents has become a complex and demanding task. Since we know how to meet these standards in a customized way, we are the ideal partner for such projects.

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HW = Readers/Hardware

SERVICES

SI = System Integrator
VAR = Value Added Reseller

Otto Künnecke

www.kuennecke.com
contact@kuennecke.com



PERS, APP, HW

Bülte 1, 37603 Holzminden – Germany

Tel. +49 5531 9300 0

Fax +49 5531 9300 903

Otto Kuennecke has set a mark with handling of ID projects. In 2014, Otto Kuennecke received the ICMA "Elan Award" for the most innovative machine in the business – the DCS, a high-end storage and commissioning system for ID documents for just in time mailing management. With machine solutions by Otto Kuennecke, ID documents can be verified, sorted and packed in different kinds of packages – banderoles, post boxes, secure envelopes etc. Otto Kuennecke creates the right solution for your special requirements.

PAV Card

www.pav.de
timm@pav.de

INL, CARDS, MF, PERS, SP

Hamburger Strasse 6, 22952 Luetjensee – Germany

Tel. +49 41 54 7 99 0

Fax +49 41 54 7 99 151

PAV is a well-established company with a rich tradition and employs about 250 staff members. Our epassport inlays made from polycarbonate or synthetic paper are suited for further processing in every standard passport production. The inlay from PAV can be integrated smoothly into the cover or the data page of the passport. The RFID technology makes it possible to read-out the data wireless. Today we serve several countries with their ePassport inlays and eID cards.

ruhlamat GmbH

www.ruhlamat.com



IC, INL, CARDS, MF, PERS, HW

Sonnenacker 2, 99819 Marksuhl, Germany

Tel. +49 36925 9290

Fax +49 36925 929111

ruhlamat is an innovative engineering and machine building company with its headquarters located in Germany. Activities are focused on smart card and passport processing technology, e.g. passport production and personalization, card production and personalization, module preparation as well as Inlay/RFID solutions and special machinery. ruhlamat branches and representations throughout the world create an ideal basis for a professional and area-spanning service network.

Secunet

www.secunet.com

CARDS, PERS, APP, SI

Kronprinzenstrasse 30, 45128 Essen – Germany

Tel. +49 201 54 54-1234

Fax +49 201 54 54-1321

Secunet Security Networks offers solutions and know-how for the complete life cycle of electronic passports, identity documents, residence permits, and visas. secunet experts support public authorities, organisations in the industrial sector and system integrators in their projects concerning biometrics and eIDs. The Federal Government of Germany as well as many other European countries trust in our expertise as a pioneer and reliable partner.

Secure Tech Consultancy

www.securetech-consultancy.com
info@securetech-consultancy.com



CARDS, PERS, APP, SI, VAR, HW, OS

Software Technology Park, Sector I-9/3, Industrial Area, Islamabad – Pakistan

Tel. +92 51 111 111 782

Fax +92 51 443 6480

Secure Tech Consultancy is the perfect partner for both public & private sector organizations seeking success in planning and implementing IT Solutions. Our expertise covers implementing ID cards, e-Passports, border control, data integration, biometric technologies, RFID systems, access Control, Office Automation and e-Governance projects. We are experienced in enrolment & integration of iris, facial and fingerprint identification. Our success stems from many successful on ground implementations.

SICPA

www.sicpa.com

SP, PERS, APP, SI

Av de Florissant 41, 1008 Prilly – Switzerland

Tel +41 21 627 55 55

Fax +41 21 627 57 27info@

Sicpa is a provider of security inks and integrated security solutions that protect most of the world's banknotes, as well as the security documents of over 100 countries, including passports, visas, ID documents and access cards. We are the trusted partner of governments, central banks and security printers, providing cutting-edge technologies to address specific needs in the domain of document security.

SPS**INL, PL**

Providing secure and high added value components for card and document manufacturers



SPS has delivered several million epassport inlays and e covers based on its unique ebooster technology to Asian, African, and European countries. The Teslin or paper based inlay includes an etched antenna on a thin PET layer, enhancing the durability of the inlay. Moreover the module and antenna are electromagnetically coupled without any physical, thus breakable, connection. SPS' technology is designed to accept all chip and OS suppliers on the market, offering a highly reliable, cost effective solution to passport manufacturers. SPS offers unique security features which gives the final passport a unique added value. SPS also propose polycarbonate inlays for electronic data pages.

micro packaging expertise. SPS has filed over 120 patents supporting its exclusive technologies.

As a world leader in dual interface banking and e-ID documents, the company brings value to its customers by pre-certifying the performance of cards using its technology and guaranteeing card functionality in the field.

SPS

85 avenue de la Plaine
ZI de Rousset-Peynier
13790 Rousset – France
Tel. +33 442538830
Fax +33 442538448
www.s-p-s.com
contact@s-p-s.com

The company is specialized in the design, manufacture and sale of contactless, dual interface and hybrid solutions for the banking and ID markets. Located in Rousset, France, with a subsidiary in Singapore, SPS employs 120 people. Part of the French Imprimerie Nationale Group, the company specializes in contactless and dual-interface products, with a recognized

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SMARTRAC

www.smartrac-group.com
government@smartrac-group.com

INL, CARDS, PL

Strawinskylaan 851, 1077 XX Amsterdam – The Netherlands

Tel. +31 20 30 50 157

SMARTRAC is the global market leader for high quality RFID inlays for contactless identity documents such as e-Passports and e-National ID Cards. Based on a broad technology range and more than 1000 patents and patent applications, we are the RFID technology partner of choice worldwide. Our customers benefit from high security production facilities in Asia, Europe and the US; EAL5+ site certificates for production of e-ID products; compliance with international standards; highest product quality and reliability; and proven technology.

Supercom

www.supercom.com
info@supercom.com

IC, CARDS, PERS, HW, SI

1 Arie Shenkar Street, Herzliya 4672501 – Israel

Tel. +972 9 889 0880

Fax +972 9 889 0814



Since 1988 SuperCom has been a global leading provider of traditional and digital identity solutions, providing advanced safety, identification, and security products and solutions to governments as well as private and public organizations around the world. SuperCom has been inspiring governments and national agencies, to design and issue secured multi-ID documents and robust digital identity solutions to its citizen and visitors, using SuperCom e-government platforms and innovative solutions.

Suprema

www.supremainc.com

CARDS, PERS, HW, SI

16F Parkview Office Tower, Jeongja-dong, Gyeonggi, 463-863 – Korea

Tel. +82-31-783-4502

Fax +82-31-783-4503

Suprema is a leading global provider of biometrics technology and identity management solutions. The company's range of products includes fingerprint modules, biometric access control systems, e-passport readers and live-scanners. Suprema's solutions are featured by integration of the excellent embedded system design capability and the strong backgrounds in theories and algorithms backed by a number of experts having the rich experience and extensive knowledge in the field of biometric solutions, embedded system design and signal processing.

Thales

www.thalesgroup.com/security

CARDS, APP, SI

45 rue de Villiers, 92526 Neuilly-sur-Seine Cedex – France

Tel. +33 1 57 77 80 00

Fax +33 1 73 32 20 22

Thales is one of Europe's leading players in the security market. Identity management systems play a major role in a country's economic and social development. They help simplify relationships between administrations and the citizens they serve, providing easier access to elections, job vacancies and social services. Thales produces identity documents and operational control systems in over 25 countries. More than 250 million secure identity documents have been generated by Thales - a long-standing supplier of identity systems, biometric systems and secure documents both in France and around the world..

UL Transaction Security

www.ul-ts.com
info@ul-ts.com

CARDS, PERS, APP, HW, SI, VAR

Delta 1A, Building L'Aimant, IJsseloord 2, 6825 ML Arnhem - The Netherlands Tel. +31.26.376.4800

Fax +31 26 376 4840

UL Transaction Security is the world's number one knowledge center in secure transaction technology. UL's Transaction Security service line is a result of the consolidation of Collis, RFI Smart and Witham Laboratories. Our international team of expert consultants and product developers work with you to ensure compliance, interoperability and security for your chip-based products and systems.

Unisys

www.unisys.com

OS, PERS, APP, SI

801 Lakeview Drive, Ste 100, Blue Bell, Pennsylvania 19422 – USA

Tel. +1 215-986-4011

Unisys is global biometrics, identity management and smartcard solution integrator. The company provides a holistic approach to people identity that combines technology, management, business process and operational expertise to deliver higher levels of identity assurance. It helps improve border security by establishing systems for positive identification with biometrics for visa/passport issuance, and entry/exit management in a country.

Veridos

www.veridos.com

SP, OS, INL, CARDS, MF, PERS, APP, HW, SI

Truderinger Str. 15, Munich 81677 – Germany

Tel. + 49 3020095 5480

Veridos creates secure and pioneering identification solutions for the international market. As a joint venture of Giesecke & Devrient and Bundesdruckerei, Veridos pools the specialist expertise, the many years of experience and the innovative power of the two largest German providers of high security technologies.

Vision-Box

www.vision-box.com

info@vision-box.com

IC, OS, CARDS, PL, PERS, APP, HW, SI

R. Casal do Canas n.2, Zona Ind. de Alfragide, 2790-204 Carnaxide – Portugal

Tel. +351 21 154 9000 Fax +351 21 154 3901

Vision-Box develops, manufactures and deploys mission critical security systems which integrate biometric technologies. The new VBePASS is the latest achievement in Vision-Box's product portfolio, an ICAO compliant live biometric enrolment kiosk which automatically adjusts height and light intensity for ideal capture conditions of face, fingerprints and signature. VBePass systems have been deployed and installed worldwide as a front end for ePassports, national identity cards and visa programs.

Zetes

www.zetes.com

marketing@zetes.com

OS, CARDS, MF, APP, HW, PERS, SI

Rue de Strasbourg - Straatsburgstraat 3, 1130 Brussels – Belgium

Tel. +32 2 728 37 11

Fax +32 2 728 37 19

Zetes PASS (Personal Authentication and Security Services), the people ID branch of the Zetes Group, specialises in developing and implementing complete solutions for collecting personal identity information, producing ID documents, storing and reproducing identification data. Governments, administrative units, and public institutions are the primary beneficiaries - Zetes has been entrusted with long-term projects in politically or otherwise volatile environments.

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