



**16<sup>th</sup>** edition!  
The most authoritative  
directory in the industry

Presented by

**SUSTAINABLE  
DEVELOPMENT**

# 2020 **Top** Suppliers **50**

## ePassport technology

Digital identity technologies such as smart cards and biometrics have come of age. National ID cards have undergone a huge transformation and it is forecast that the number of electronic National ID cards in circulation will reach 3.6 billion citizens by 2021. More than 120 countries are now issuing electronic passports with 1 billion ePassports currently in circulation. Unlike conventional passports, the electronic passport has a

microprocessor which stores a digital version of the ID photo as well as all of the ID data found on the first page of the paper passport.

For 16 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 digital eIDs**  
» **Growing ePassport issuance**

# 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	<a href="http://www.3M.com/security">www.3M.com/security</a>					✓		✓		✓	✓	
Access IS	<a href="http://www.access-is.com">www.access-is.com</a>					✓	✓			✓		
ASK	<a href="http://www.ask-rfid.com">www.ask-rfid.com</a>				✓	✓				✓		
Atlantic Zeiser	<a href="http://www.atlanticzeiser.com">www.atlanticzeiser.com</a>					✓	✓	✓		✓		
Austria Card	<a href="http://www.austriacard.at">www.austriacard.at</a>			✓		✓		✓	✓			
Bundesdruckerei/Veridos	<a href="http://www.veridos.com">www.veridos.com</a>					✓	✓	✓	✓	✓		
Cetis	<a href="http://www.cetis.si">www.cetis.si</a>					✓		✓		✓		
Cognitec Systems	<a href="http://www.cognitec.com">www.cognitec.com</a>							✓				
Crossmatch	<a href="http://www.crossmatch.com">www.crossmatch.com</a>							✓	✓	✓		
Cryptovision	<a href="http://www.cryptovision.com">www.cryptovision.com</a>			✓		✓		✓		✓		
De La Rue	<a href="http://www.delarue.com">www.delarue.com</a>	✓	✓	✓	✓	✓	✓	✓		✓	✓	
Dermalog	<a href="http://www.dermalog.de">www.dermalog.de</a>						✓	✓	✓			
Diletta	<a href="http://www.diletta.com">www.diletta.com</a>					✓	✓	✓	✓			
Entrust Datacard	<a href="http://www.entrustdatacard.com">www.entrustdatacard.com</a>			✓			✓	✓				
Gemalto	<a href="http://www.gemalto.com">www.gemalto.com</a>		✓	✓	✓	✓	✓	✓	✓	✓	✓	
GET Group	<a href="http://www.getgroup.com">www.getgroup.com</a>					✓		✓	✓	✓	✓	✓
HID Global	<a href="http://www.hidglobal.com">www.hidglobal.com</a>				✓	✓	✓	✓	✓	✓	✓	
IAI	<a href="http://www.iai.nl">www.iai.nl</a>											
Idemia	<a href="http://www.idemia.com">www.idemia.com</a>			✓	✓	✓		✓	✓		✓	
Industrial Innovation Group	<a href="http://www.industrialinnovationgroup.com">www.industrialinnovationgroup.com</a>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Infineon Technologies	<a href="http://www.infineon.com">www.infineon.com</a>		✓									
Integrale Solutions	<a href="http://www.integralesolutions.com">www.integralesolutions.com</a>	✓		✓	✓	✓	✓	✓	✓	✓		
Iris	<a href="http://www.iris.com.my">www.iris.com.my</a>		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ixla	<a href="http://www.ixla.it">www.ixla.it</a>							✓	✓			
JDSU	<a href="http://www.jdsu.com">www.jdsu.com</a>	✓										
Kugler-Womako	<a href="http://www.kugler-womako.com">www.kugler-womako.com</a>									✓	✓	
Landqart	<a href="http://www.landqart.com">www.landqart.com</a>				✓	✓						
Linxens	<a href="http://www.linxens.com">www.linxens.com</a>		✓		✓	✓		✓	✓			
Lumidigm	<a href="http://www.lumidigm.com">www.lumidigm.com</a>							✓		✓		
MaskTech	<a href="http://www.masktech.de">www.masktech.de</a>			✓				✓	✓			
Melzer	<a href="http://www.melzergmbh.com">www.melzergmbh.com</a>				✓	✓	✓					
Monet +	<a href="http://www.monetplus.cz">www.monetplus.cz</a>							✓	✓		✓	✓

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

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				✓		✓					
Speed Identity	www.speed-identity.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

isales@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/Veridos**

www.bundesdruckerei.de  
 info@bundesdruckerei.de  
 info@veridos.com

**CARDS, MF, PERS, APP, HW, SI**

Oranienstraße 91, 10969 – Berlin

Tel. +49 30 2589984-0

Fax +49 30 2589984 39

*A company formed between Bundesdruckerei and G&D, Veridos is the world's leading provider of integrated identity solutions. Governments, organizations, businesses, and regional authorities worldwide trust Veridos' uniquely comprehensive product portfolio. We support our customers with secure and reliable end-to-end identity solutions, expert guidance and future-proof technology.*

**Cetis**

www.cetis.si  
 info@cetis.si

**CARDS, APP, 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, an HID company, 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, now part of HID, 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, Dermalog 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  
info@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

*Gemalto, part of Thales, 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**

www.entrustdatacard.com

**MF, PERS, APP**

1187 Park Pl, Shakopee, MN 55379 – USA

Tel. +1 952 933 1223

*Entrust Datacard offers 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 physical and digital credentials. The company 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.*

**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 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.*

**Idemia**

www.idemia.com

info@idemia.com

**OS, INL, CARDS, PERS, APP, SI**

Boulevard Lénine, BP 428 76805 Saint-Etienne-du-Rouvray – France

Tel. + 33 2 35 64 53 46

*Idemia is a leader in trusted identities for an increasingly digital world placing the client, consumer or citizen at the heart of everything it does, combining security, convenience, the human factor and continuity within a single proposition. The company places augmented identity at the center of its actions and conceives security in a global way, upstream of technological developments, by factoring in the customer's environment and how they specifically use technology.*

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## 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

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 has been the first vendor to release a real desktop laser system for e-Passports, compact and effective.*

*The product range has grown, adding the new XJ laser and inkjet to the laser-only field proven XP's, all with automatic feeder. Thanks to the uncompromised dedication to product quality, constant innovation and competence, IXLA is still the leading brand in desktop solutions for laser personalization of passports and cards, reaching soon the mark of 3,000 delivered units.*

## 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.*



**Linxens**

www.linxens.com

**MF, IC, INL, PERS, APP**

6 Rue Marius Aulan, 92300 Levallois Perret – France

Tel. +33 1 41343450

Fax +331 47576492

*Linxens is a world-class provider of component-based solutions for the security & identity market. We design and manufacture Microconnectors and RFID Antennas and Inlays. With 8 production facilities in Asia, Europe and North America, 4 R&D Centers, and over 3000 employees, Linxens makes its large-scale production capacity available to its customers, and delivers guaranteed product and technical reliability. Linxens technology gives users the best connection possible. Linxens crafting the future of connections.*

**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 countries' travel, ID documents and authentication solutions.*

**Melzer maschinenbau**

www.melzergmbh.com

sales@melzergmbh.com

**INL, CARDS, MF**

Ruhrstr. 51-55, Schwelm, 58332 – Germany

Tel. +49 2336 929280

Fax +49 2336 929285



*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.*

**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.*

**LEGEND****COMPONENTS**

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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

## INDUSTRIAL INNOVATION GROUP



### Target/Product

Tax stamps  
IDs, cards &  
secure document

### Sector

Government & Public Sector  
Manufacturing & Retails

### Technology

RFID  
Holograms  
Biometrics  
Security printing  
Software  
Taggants  
Track&Trace

Taryam bld., Industrial Area 18, Maleha Street, Sharjah PO Box 123428, United Arab Emirates, [info@industrialinnovationgroup.com](mailto:info@industrialinnovationgroup.com) Tel.: 97165062555  
[www.industrialinnovationgroup.com](http://www.industrialinnovationgroup.com)

**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@nbstechn.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.*

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## 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.*

**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.*

**ruhlat GmbH**

www.ruhlat.com

**IC, INL, CARDS, MF, PERS, HW**

Sonnenacker 2, 99819 Marksuhl, Germany

Tel. +49 36925 9290

Fax +49 36925 929111

*ruhlat 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. ruhlat 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.*

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## 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.*

## SPS

## INL, PL

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



SPS has delivered several million epassport inlays and ecovers based on its unique ebooster technology to every continent. The Teslin based inlay uses an inductive coupling technology, where there is no physical connection between the antenna and the chip's module enhancing the durability of the passport. SPS' technology is designed to accept all chip and OS suppliers on the market, offering a highly reliable and cost effective solution to passport manufacturers.

SPS offers unique security features which gives the final passport a unique added value and proposes a complete offer for Polycarbonate data pages from finished datapage to hinge inlay and electronic components. The company is specialized in the design, manufacture and sale of contactless solutions based on inductive coupling technology and dedicated to ID cards, e-passport and dual interface banking cards. Headquartered in Rousset, France, with a subsidiary in Singapore, SPS employs 200 people.

Part of IN Groupe, one of the global leaders in secure identity solutions, the company specializes in contactless and dual-interface products, with a recognized micro packaging expertise. SPS has filed over 120 patents supporting its exclusive technologies.

World leader in secure and electronic components for banking and government markets, SPS improves card performance with its inductive coupling technology, and guarantees 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

## 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 27

*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.*



**Speed Identity**

www.speed-identity.com  
info@speed-identity.com

**CARDS, PERS, APP, HW, SI**

Slakthusgatan 9, SE-121 62 Johanneshov – Sweden

Tel. +46 )8 702 33 50

*Speed Identity is a leading global provider of high performance biometric enrollment and data capture solutions. The company pioneered live biometric enrollment in the early 2000. To date we have successfully delivered thousands of systems to more than 120 countries worldwide. Our customers include government departments and agencies such as ministries of foreign affairs, ministries of interior, law enforcement agencies, tax agencies, road authorities and immigration agencies. a leading global provider of high performance biometric enrollment and data capture solutions.*

**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  
Fax +82-31-783-4503

**CARDS, PERS, HW, SI**

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

Tel. +82-31-783-4502

*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.*

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