

# **Top 50 Suppliers**

## **ePassport technology**

Millions of electronic passports are already in circulation around the world and developing countries are not slow in embracing the change. According to recent research reports, more than 100 countries already use the advanced travel documents, with Canada being the latest (and last G7 country) to adopt chip-enhanced passports. Issues such as cross-border migration, people smuggling, illicit trade and international crime are also incentivizing governments to establish enhanced-border control infrastructures, while e-passports are also ensuring international trade is maintained through swift and efficient throughput of legitimate travelers.

Our "Top 50 Suppliers of ePassport Technology" features the most active players in the ePassport evolution, who are driving advancements in biometrically enabled,

machine-readable travel documents (MRTDs). These include suppliers of IC chips, contactless inlays, security paper, micro-controller operating systems, ePassports, ePassport manufacturing and personalization equipment, biometric solutions, RFID readers, data collection and border control solutions, as well as the system integrators who bring it all together. The "Top 50 Suppliers of ePassport Technology" directory provides a selection of trusted companies that can meet today's requirements with the most reliable and cost-effective components and solutions on the market. Going beyond ePassports and MRTDs, it is also a prime opportunity for buyers to seek out potential suppliers of additional electronic ID programs such as national and citizen ID cards, driver's licenses, health cards, e-visas, e-voting cards and other credentialing cards and documents.

## 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>					✓			✓		✓	✓	
ARH	<a href="http://www.arhungary.hu">www.arhungary.hu</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>					✓			✓	✓		✓	
Biomorf	<a href="http://www.biomorf.co.id">www.biomorf.co.id</a>			✓		✓			✓	✓		✓	
Bundesdruckerei	<a href="http://www.bundesdruckerei.de">www.bundesdruckerei.de</a>					✓		✓	✓	✓	✓	✓	
Cetis	<a href="http://www.cetis.si">www.cetis.si</a>					✓				✓		✓	
Cognitec Systems	<a href="http://www.cognitec.com">www.cognitec.com</a>									✓			
Collis	<a href="http://www.collis.nl">www.collis.nl</a>					✓			✓	✓	✓	✓	✓
Cross Match Technologies	<a href="http://www.crossmatch.com">www.crossmatch.com</a>									✓	✓	✓	
Datacard Group	<a href="http://www.datacard.com">www.datacard.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>					✓		✓	✓	✓	✓		
Edaps Consortium	<a href="http://www.edaps.com">www.edaps.com</a>	✓				✓		✓	✓	✓	✓	✓	✓
Elyctis	<a href="http://www.elyctis.fr">www.elyctis.fr</a>								✓	✓	✓		
Entrust	<a href="http://www.entrust.com">www.entrust.com</a>			✓					✓	✓			
Exceet Group	<a href="http://www.exceet.ch">www.exceet.ch</a>					✓		✓				✓	
Fasver	<a href="http://www.fasver.com">www.fasver.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>					✓			✓	✓	✓	✓	✓
Giesecke & Devrient	<a href="http://www.gi-de.com">www.gi-de.com</a>	✓		✓	✓	✓		✓	✓	✓		✓	
HID Global	<a href="http://www.hidglobal.com">www.hidglobal.com</a>				✓	✓		✓	✓	✓		✓	
HJP Consulting	<a href="http://www.hjp-consulting.com">www.hjp-consulting.com</a>									✓		✓	
IAI	<a href="http://www.iai.nl">www.iai.nl</a>								✓				
IBM	<a href="http://www.ibm.com">www.ibm.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 & Gap Laser	<a href="http://www.ixla.it">www.ixla.it</a>								✓	✓			
JDSU	<a href="http://www.jdsu.com">www.jdsu.com</a>	✓											
Keynectis	<a href="http://www.keynectis.com">www.keynectis.com</a>									✓			
Kugler-Womako	<a href="http://www.kugler-womako.com">www.kugler-womako.com</a>					✓						✓	

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

Landqart	www.landqart.com				✓	✓					
Lumidigm	www.lumidigm.com						✓		✓		
Masktech	www.masktech.de		✓				✓	✓			
Melzer	www.melzergmbh.com			✓	✓	✓					
Monet +	www.monetplus.cz						✓	✓		✓	✓
Morpho	www.morpho.com		✓	✓	✓		✓	✓		✓	
Mühlbauer	www.muehlbauer.de					✓	✓	✓	✓	✓	
Multipolaris	www.multipolaris.hu	✓		✓	✓	✓	✓	✓	✓	✓	✓
Nadra	www.nadra.gov.pk				✓	✓	✓	✓		✓	✓
Nagra ID	www.nagraid.com		✓	✓	✓	✓					
NetSeT Global Solutions	www.netsetglobal.rs				✓		✓	✓	✓	✓	✓
NXP	www.nxp.com		✓	✓	✓						
Oberthur Technologies	www.oberthur.com	✓	✓	✓	✓	✓	✓	✓		✓	
On Track Innovations	www.otiglobal.com		✓	✓	✓	✓	✓	✓	✓	✓	✓
Optaglio	www.optaglio.cz	✓			✓						
Orell Fussli	www.ofs.ch	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Otto Künnecke	www.kuennecke.com						✓	✓	✓		
PAV Card	www.pav.de	✓			✓	✓	✓				
Safe ID	www.safe-id.de				✓		✓	✓	✓	✓	
SCM Microsystems	www.scmmicro.com								✓		
Secure Tech Consultancy	www.securetech-consultancy.com				✓		✓	✓		✓	✓
Smart Packaging Solutions	www.s-p-s.com			✓							
Smartrac	www.smartrac-group.com			✓	✓	✓					
Speed Identity	www.speed-identity.com						✓	✓	✓	✓	
Thales	www.thalesgroup.com				✓			✓		✓	
Trüb	www.trueb.ch		✓	✓	✓	✓	✓	✓		✓	
Vision-Box	www.vision-box.com		✓	✓		✓	✓	✓	✓	✓	

## LEGENDA

### 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.*

## ARH

www.arhungary.hu

requestinfo@arhungary.hu

## PERS, HW

H-1123 Budapest, 41 Alkotás Str. – Hungary

Tel. +36 1 201 9650

Fax +36 1 201 9651

*ARH Inc. is recognized as one of the leading manufacturers of travel document readers. The company, being a highly innovative, technology driven organization acts as technology supplier in 192+ countries worldwide. ARH's ePassport Readers are capable of reading any ePassports and comply with all relevant industry standards. As a truly OEM / ODM company, ARH offers custom designing services as well. Possessing the knowledge, experience and technology in-house, ARH can turn ideas into working prototypes cost-effectively in a short time.*

## 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, 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.*

## Biomorf

www.biomorf.co.id

info@biomorf.co.id

## CARDS, OS, PERS, APP, SI

Menara BCA, JL.MH.Thamrin 1, Jakarta 10310 – Indonesia

Tel. +6221 2358 4793

Fax +6221 2358 4794

*PT BioMoRF specializes in creating custom solutions for multi-modal biometric based Identity Management, Border Control, Time and Attendance and Secure Credentials. While BioMoRF partners with leading providers of hardware and algorithms, we believe our most significant attribute is our ability to listen to the needs of our clients. BioMoRF has extensive experience building best in class biometric products and solutions for both the Civilian and Criminal Identification sectors. We have remarkable technical and management capabilities to deliver complex, large scale systems. BioMoRF has the unique distinction of having deployed the world's largest multi-biometric, smart card based National ID Solution under the world's most demanding schedule.*

**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**

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. In various independent evaluation tests, our FaceVACS® software has proven to be the premier technology available on the market. 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 Hong Kong.*

**Collis**

www.collis.nl  
info@collis.nl

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

De Heyderweg 1, 2314 XZ Leiden – The Netherlands

Tel. +31 71 581 36 36

Fax +31 71 581 36 30

*The e-ID Competence Centre within Collis sets the standards when it comes to electronic identification solutions. We offer a range of e-ID solutions for e-Passports, National ID cards, e-Driver's Licenses and employee cards to issuing authorities, personalization bureaus and vendors globally. These test tools, combined with our consulting services and training courses, can improve your card issuing process in quality, speed and reliability. Collis is ISO 9001 certified confirming our commitment to the highest quality.*

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**IT SYSTEMS**

APP = Software/Applications  
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SI = System Integrator  
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## Cross Match Technologies

www.crossmatch.com  
international-sales@crossmatch.com



## APP, HW, SI

Unstrutweg 4, 07743 Jena – Germany

Tel. +49 3641 4297 0

Fax +49 3641 4297 14

*Cross Match Technologies is a leading innovator and provider of biometric identity management solutions to governments, law enforcement agencies, and businesses around the world. Offerings include software, hardware, and related services addressing multiple biometric technologies. Solutions support wireless, mobile or stationary applications and encompass fingerprint, palm, and iris scanners; facial capture systems; secure document readers; AFIS/ABIS systems; custom software; and related professional services.*

## Datacard

www.datacard.com/gov  
EMEA\_Marketing@Datacard.com

## CARDS, PERS, APP

Forum 3, Solent Business Park, Fareham, Hampshire, PO15 7FH – UK

Tel. +44 1489 555600

Fax +44 1489 555 601

*Datacard Group helps government agencies and integrators worldwide reduce risk and implement secure, reliable and efficient passport programs. Our e-passport portfolio includes high-volume and desktop personalization systems with laser engraving, inkjet and security overlays that meet ICAO standards. Our identity lifecycle management solutions are biometric agnostic to meet any customer requirement. Datacard Group has delivered government ID solutions for over 400 ID programs in more than 100 countries and personalizes tens of thousands of passports daily in over 15 countries.*

## 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.*

**Edaps Consortium**

www.edaps.com  
edaps@edaps.ua

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

64, Lenina Str., Kiev 02088 – Ukraine

Tel. +38 44 561 25 90

Fax +38 44 561 25 85

*The Edaps Consortium has been established by leaders in high technologies and is the only group in the world to have the complete cycle of enterprises for production and implementation of the best-protected identification documents and respective information systems. The electronic biometric passport and the Interpol officers' electronic ID card that have been developed and which are currently being produced by the Edaps Consortium, have been recognized as the best protected identification documents in the world. The Edaps Consortium has developed and currently produces the systems for personalization of identification documents by way of laser engraving.*

**Elyctis**

www.elyctis.fr  
contact@elyctis.fr

**PERS, APP, HW**

240 rue François Gernelle, 84120 Pertuis – France

Tel. +33 6 27 71 37 68

*Elyctis develops, manufactures and markets readers dedicated to Secured Identity Documents (e-passport, e-ID, e-DL...). Thanks to our expertise in the relevant standards (ICAO, IAS, 7816, 14443, PC/SC, Biometry) we provide support and software developments on fixed and mobile terminals. Our ID BOX product range is a compact USB device family gathering all peripherals required to read any electronic document (RFID reader, ISO contact reader, OCR scanner and fingerprint sensor), able to read e-documents in a single action.*

**Entrust**

www.entrust.com

**OS, PERS, APP**

5400 LBJ Freeway, Suite 1340, Dallas, TX 75240 – USA

Tel. +1 613 270 3400

*Entrust is a leader in identity-based security, delivering security, trust and value. Trusted by more than 40 countries worldwide for citizen eID solutions, Entrust provides governments and enterprises with the trust foundation that unlocks the value of citizen authentication efforts. Entrust delivers scalable, flexible and affordable solutions for both credential issuance and validation. With best-of-breed ePassport PKI covering both BAC and EAC, Entrust enables countries to evolve their ePassport plans on their own timetable. Proven with many real-world deployments, Entrust provides solutions for Basic Access Control (BAC) and Extended Access Control (EAC) environments as well as Single Point of Contact (SPOC), Master List Signing and PKD integration.*

**Exceet Group**

www.exceet.ch  
menacher@cardfactory-ag.de

**CARDS, MF, SI**

Marktplatz 4, 9004 St. Gallen – Switzerland

Tel. +43 5232 20 686 35

Fax +43 5232 20 644

*Exceet acts as an end-to-end supplier for highly complex electronic applications. The group spans the entire value chain and offers end-to-end solutions ranging from development to high-volume production of market-ready top-quality products. With our extensive know-how in chip and printing technologies (UV printing, iris printing, infrared printing, OVI) the cards we produce even exceed these requirements. Depending on the application, we provide contact or contactless smart cards, as well as hybrid or dual interface cards.*

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SI = System Integrator  
VAR = Value Added Reseller

## HID Global - Trusted Leader in Secure Identity Solutions



HID Global is the trusted source for secure identity solutions for millions of customers around the world. Recognized for robust quality, innovative designs and industry leadership, HID Global is the supplier of choice for OEMs, system integrators, and application developers serving a variety of markets. These markets include physical and logical access control, including strong authentication and credential management; card printing and personalization; highly secure government ID; and identification technologies used in animal ID and industry and logistics applications.

### Components

- Inlays/Antennas
- Cards/Passports

### Equipment

- Card Manufacturing
- Data Capture & Personalization

### IT Systems

- Software/Applications
- Readers/Hardware

### Services

- System Integrator

### Global Deployment

In the Government-to-Citizen sector, HID Global's Government ID Solutions offers an end-to-end portfolio of highly secure, custom components and solutions for the most demanding state and national ID projects. With leadership in four key Government ID product segments – e-documents, readers, personalization solutions and credential issuance systems, plus complementary professional services – Genuine HID™ solutions are relied on in major programs worldwide including national ID, foreign resident/worker ID, e-passports, drivers' licenses, healthcare and vehicle registration programs. We participate in more than 28 e-Passport programs and 49 national/e-ID programs, and our readers, desktop and OEM components are used by five top scanner suppliers, and are deployed in government projects internationally.

Worldwide reference programs include prelaminate for the German National e-ID Card and Ivory Coast National e-ID Card, the U.S. Green Card, the Costa Rica Foreign Resident Card, Angola National ID Card, Ivory Coast Driver License, New South Wales (Australia) Driver License, Vehicle Registration Cards for three Indian States, Saudi Arabia National ID Card, Italy's Federal Police ID Card.



### ePassports

Today's e-passports and e-IDs must be expertly - and elegantly - designed to meet a host of demanding technical and compliance considerations. They must also withstand long-term exposure and the stress of daily handling by frequent travelers. As a trusted leader in contactless inlays and prelaminate, HID Global offers innovative products to build solutions to requirements, whether document priorities are driven by durability, security, reliable chip performance, easy integration or standards compliance, or combinations of these factors. Offerings include: contactless e-passport inlays, contactless e-passport e-covers, contactless e-passport datapage inserts and contactless e-prelaminates.

### Key Attributes:

- Contactless e-Passport Inlay Sheet: withstands long term use and exposure
- Contactless e-Passport e-Cover: safeguards against fraud and counterfeiting
- Contactless e-Passport Datapage Insert: ensures 10 years of use
- Contactless e-Prelaminate Inlays: highest level of card security, reliability and durability

### End-to-End Offerings

From component supply to integrated solutions delivery, offerings include professional consulting services, data capture, card management/issuance solutions, world-leading credentials and e-documents, readers, inlays, prelaminate, LaserCard® optical security media, and FARGO® card printers.

With our extensive suite of Genuine HID™ products, customers benefit from the industry's broadest portfolio of trusted, interoperable secure identity solutions across all aspects of the government identification market.

15370 Barranca Pkwy  
Irvine, CA 92618 USA

Tel. (949) 732-2000  
Fax (949) 732-2120

[www.hidglobal.com/  
citizen-ID](http://www.hidglobal.com/citizen-ID)



**Fasver**

www.fasver.com  
fasver@fasver.com

**INL**

286 rue Charles Gide, ZAE La Biste, BP 48, 34671 Baillargues cedex – France Tel. +33 4 67876699

Fax +33 4 67700410

*Fasver's core business is to bring to the market innovative, efficient and cost effective security solutions to protect official documents such as Passports, ID Cards, Driver licenses, Visas, etc. against counterfeiting and falsification. Today, Fasver develops and manufacture security films, laminates, pouches, and RFID inlays under one roof. Fasver's e-Digiprotek inlay solution is customized for integration as an e-cover, as an inside page, or as a label with tamper evidence for ICAO compliant ePassports. e-Digiprotek is a paper or plastic inlay with a flip chip connection on a silk screen printed antenna.*

**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.*

**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.*

**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, SI**

15370 Barranca Pkwy, Irvine, CA 92618 – USA

Tel. +1 949 732 2000

Fax +1 949 732 2120

*HID Global is the trusted source for secure identity solutions for millions of customers around the world. Recognized for robust quality, innovative designs and industry leadership, HID Global is the supplier of choice for OEMs, system integrators, and application developers serving a variety of markets. These markets include physical and logical access control, including strong authentication and credential management; card printing and personalization; highly secure government ID; and identification technologies used in animal ID and industry and logistics applications.*

## HJP Consulting

www.hjp-consulting.com

## APP, SI

Hauptstraße 35, 33178 Borcheln – Germany

Tel. +49-5251-4177621

Fax +49-5251-4177666

*HJP Consulting is a Germany based internationally active consultancy firm specialising in the planning, procurement and approval of smart card solutions with focus on e-identity and border control. HJP's consultancy offer includes system architecture, software specification, requirements engineering, document design, quality and security management, project management and training. References are major eMRTD projects in Europe, Africa and Middle East as well as various studies on behalf of the European Commission, ENISA, OSCE and ICAO. Further, HJP offers GlobalTester, a comprehensive test platform for conformity testing of eMRTDs, eID and inspection systems.*

## 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.*

## IBM

www.ibm.com

ews@us.ibm.com

## OS, APP, SI

1133 Westchester Avenue, White Plains, New York 10604 – USA

Tel. +1 888 839 9289

*Government organizations face many of the same challenges found in the business world -- containing costs, improving performance and serving customers. IBM helps governments meet these challenges by working with them to reengineer processes, realign resources and upgrade technology. By working closely with clients to identify and implement the right set of technology-enabled solutions for their complex problems, IBM is transforming the way governments do business. IBM provides industry leadership with our comprehensive homeland security solutions, balancing business insight with IT infrastructure optimization and enhancing existing infrastructure to support security initiatives.*

## 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.*

## Revolutionizing the future of electronic travel documents through value added solutions



Founded in 1994, IRIS the inventor of the world's first ePassport, has more than 15 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.

IRIS provides a wide range of travel document solutions that offers quality, security, durability as well as appropriate level of automation and centralisation that meets the needs of individuals, companies and government. IRIS's ICAO compliant ePassport solution comprises of inlay production, personalization and systems integration, passport lifecycle management system (IdenCraft), mobile kiosk and automated border control.

Over the years, IRIS has been a trusted partner offering various ePassport solutions to more than 20 major countries including; Malaysia, Bangladesh, Cambodia, Bahamas, Somalia, Nigeria, Maldives,

Thailand and Turkey. Recently, the Government of the People's Republic of Bangladesh has extended IRIS's contract for the Machine Readable Passport (MRP) and Machine Readable Visa (MRV) project.

IRIS is passionate about developing quality, innovative solutions that aim to add trust, simplicity and value to a growing portfolio of clients with diverse needs and concerns around the world. IRIS is devoted to work with any organisations to deliver successful solutions that will give the extra competitive advantage.



IRIS Smart Technology  
Complex - Technology Park  
Malaysia, Bukit Jalil, 57000  
Kuala Lumpur, Malaysia  
Tel: +603-89960788  
Fax: +603-89960441  
www.iris.com.my  
marketing@iris.com

**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.*

#### COMPONENTS

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#### SERVICES

SI = System Integrator  
VAR = Value Added Reseller

## 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.*

## Keynectis

www.keynectis.com  
info@keynectis.com

## APP

11-13 rue René Jacques - 92131 Issy-les-Moulineaux Cedex – France

Tel. +33 1 55 64 22 00

Fax +33 1 55 64 22 01

*European leading provider of trust technologies and services, Keynectis empowers industry, governments, financial institutions and business partners to secure IDs and electronic transactions for the benefit of end users. Keynectis' product offer covers all e-Passport PKI solutions ranging from BAC and EAC to PKD and SPOC and is deployed in more than 15 countries worldwide. Our solutions benefit from experience of more than 40 million digital certificates issued and more than 25 million documents signed using Keynectis developed technologies.*

## Kugler-Womako

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

## CARDS, SI

Schlosserstraße 15, 72622 Nürtingen – Germany

Tel. +49 7022 70020

Fax +49 7022 33444

*Your partner for e-passport production – We have your solution ready to go!*

*We developed an efficient modular passport machine system, the PassPort 1-4. It offers customized solutions, including RFID e-passports storing biometric data, high capacity interlock stitching and new cover and chip inlay lamination techniques. We also upgrade existing machines. Whether you are a passport manufacturer or a government considering producing passports yourself, contact us now to learn the right solution for you.*

## 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 operating systems, SoC designs and customized 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. The OS is available and certified Common Criteria – EAL 4+ on a unique variety of microcontrollers of different silicon vendors. MTCOS is a fully open standard (ISO/IEC) compliant multi-application embedded system, used in over 50 travel, ID documents and authentication solutions worldwide. MTCOS was the worldwide first masked operating system with support of the ICAO DOC9303 (ePassport) standards.

**Melzer**

www.melzergmbh.com

sales@melzergmbh.com

**INL, CARDS, MF**

Ruhrstr. 51 – 55, 58332 Schwelm – Germany

Tel. +49 2336 9292 0

Fax +49 2336 9292 85



For over 55 years MELZER has been serving customers with tailor-made solutions. e-ID products - passports and identity cards - require a reliable and precise production process. MELZER's patented short cycle and narrow web lamination system is the only solution worldwide, which fulfills and surpasses today's requirements for e-ID production. Automated collation of up to 11 layers, less than 20 seconds lamination time, highest accuracy of security features to print make this solution unique and flexible. The most innovative e-ID products are produced on MELZER equipment.

**MONET+**

www.monetplus.cz

xsolver@monetplus.cz

**PERS, APP, SI, VAR**

Za Dvorem 505, 763 14 Zlín – Stipa, Czech Republic

Tel. +420 577 110 411

Fax +420 577 914 557



MONET+ is leader among PKI and personalization technology suppliers in Czech Republic, supplier of personalization technology for driving licences, eID, e-passports and digital tachograph including necessary PKI components. MONET+ was active player during creation of e-passport standards and testing, esp. EAC and SPOC. MONET+ implemented the modular communication system xSolver (national interface for SPOC and/or NPKD) for e-passport certificate exchange as one of the first countries in EU. This system and other PKI components are being implemented in other countries.

**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.

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## 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.*

## 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.*

## NetSeT Global Solutions

www.netsetglobal.rs  
zoran.savic@netsetglobal.rs

## CARDS, PERS, APP, HW, SI, VAR

Osogovska 10, 11000 Belgrade – Serbia

Tel. +381 11 3058612

Fax +381 11 2547492

*NetSeT Global Solutions is a trusted solution provider and system integrator for the complex National eID, eHealth, eDL/VL, ICAO ePassport and national registers projects. With almost 15 years of experience and more than a dozen national level projects worldwide, NetSeT is the leading eID company in the SEE region. Flagship products: Central Identity Management System, CAMS, Civil Registration System, Biometric Enrolment, Perso Data Management, Smart Logistics, Secure eGov Registers, National PKI, ICAO/EAC PKI, Border Control, eID/ePass/QES Applets, Secure Middleware, Strong Authentication and Encryption, Secure Mobile Applications.*

**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.*

**Oberthur Technologies**

www.oberthur.com

**SP, IC, OS, INL, CARDS, MF, PERS, APP, SI**

50 quai Michelet, 92 532, Levallois-Perret , Cedex – France

Tel. + 33 1 55 46 72 00

Fax + 33 1 55 46 73 24

*Oberthur Technologies is a world leader in the smartcard industry with a combined expertise in digital security and secure printing. Alongside the card, fiduciary and cash protection entities, the identity division is positioned in a fast-growing market, stimulated by the change-over to electronic documents and the growing security requirements of governments. Identity Division develops secure identity documents, as well as services and associated systems for governmental and private market. It addresses government and private-sector markets, including driver licenses, identity cards, passports and access badges.*

**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.*

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VAR = Value Added Reseller

## 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

Zeppelinstraße 10, 37603 Holzminden – Germany

Tel. +49 5531 9300 0

Fax +49 5531 9300 903

*Otto Künnecke has set a mark with handling of ID projects. The ID documents can be verified, sorted and packed on the machine solutions of Otto Künnecke. The high secure documents can be verified and packed in different kinds of packages - banderoles, post boxes, secure envelopes - and then be sent out to different locations. Another alternative is the packaging of security documents into just an envelope and sending out to the citizen - all depending on your requirements.*

## PAV Card

www.pav.de  
timm@pav.de

## INL, CARDS, MF, PERS, SP

Hamburger Strasse 6, 22952 Lütjensee – 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.*

## Safe ID Solutions

www.safe-id.de

## CARDS, PERS, APP, HW, SI

Ottobrunner Straße 43, 82008 Unterhaching – Germany

Tel. +49 89 45 21 26 0

Fax +49 89 45 21 26 126

*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. The company offers secure end to end document issuance solutions from biometric enrolment over personalization management software, document personalization to verification and border control solutions to effectively control and manage identities during their full lifecycle.*

## SCM Microsystems

www.scmmicro.com

## HW

Oskar-Messter-Straße 13, 85737 Ismaning – Germany

Tel. +49 89 9595 5000

Fax +49 89 9595 5555

*SCM Microsystems, a business unit of Identive Group, is a leading provider of solutions for secure access, secure identity and secure exchange. The company offers the world's broadest range of contact, contactless and mobile smart card reader and terminal technology, as well as systems that integrate physical and logical access control. SCM's smart card-based products and solutions are utilized around the world to enable security and identification applications, transaction systems, eHealth- and eGovernment programs and physical access systems. Global headquarters are in Ismaning, Germany.*

**Secure Tech Consultancy**

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

**CARDS, PERS, APP, SI, VAR**

827, Street No. 85, I-8/4, Islamabad-44000 – Pakistan

Tel. +92 51 111 111 782

Fax +92 51 4436480

*Secure Tech Consultancy is the perfect partner for governments and organizations seeking success in planning and implementing innovative ICT systems. Our team possesses in-depth knowledge and hands-on experience in delivering complex e-governance and homeland security solutions. Our solutions offer smart card based identity management, data acquisition, access control and e-Driving license systems. SecureTech has designed and developed multi-purpose e-Terminals for citizen centric applications and also providing other value added services for mobile banking, telecom operators, visitor enrolment, cash disbursement, health insurance, e-vouchers, and secured retail transactions.*

**Smart Packaging Solutions**

www.s-p-s.com  
contact@s-p-s.com

**INL**

85 avenue de la Plaine, ZI de Rousset-Peynier, 13790 Rousset – France

Tel. +33 442538830

Fax +33 442538448



*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 that enhances the durability of the inlay. Moreover the module and the antenna are electromagnetically coupled without any physical, thus breakable, connection. SPS' technology is designed to accept all chip and OS suppliers on the market and offers a high reliable and cost effective solution to passport manufacturers. The product also offers unique security features which gives the final passport a unique added value.*

**SMARTRAC**

www.smartrac-group.com  
e-ID@smartrac-group.com

**INL, CARDS, PL**

Manfred-v.-Ardenne-Ring 12, 01099 Dresden – Germany

Tel. +49 351 88 960 45

Fax +49 351 88 960 11



*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 700 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.*

**Speed Identity**

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

**APP, HW, PERS, SI**

Mediavägen 11, Box 634, SE-135 26 Tyresö – Sweden

Tel. + 46 8 448 70 00

Fax +46 8 448 70 15

*Speed Identity is a manufacturer and supplier of secure and efficient solutions for live enrolment. This is a method that captures biometric data in digital form for electronic passports and IDs, as it also streamlines the passport and ID application process. We work together with public authorities and companies in the process of producing secure passports and IDs.*

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## 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.*

## Trüb

## OS, CARDS, INL, MF, PERS, APP, SI

### Polycarbonate identity documents: portfolio, services and solutions



Trüb AG is a global leader in the field of manufacturing and personalization of security documents. The comprehensive portfolio of polycarbonate documents fused under heat and pressure and with cutting-edge security features reflect Trüb's key competencies in governmental documents solutions. The product portfolio includes datapages for biometric passports, identity documents, biometric residence permits, crew member certificates, driver licenses and tachograph cards.

smart cards and identity documents. Today, Trüb AG is one of the worldwide leading suppliers of identity solutions. Over 30 countries on four continents – including Switzerland, the United Kingdom, the Czech Republic, Croatia, Poland, Estonia, Hong Kong and South Africa – are among the company's governmental clientele.

Trüb AG is a Swiss company with head office in Aarau, Switzerland. Over the last 150 years, Trüb has moved from security printing products into



tru/window™ LOCK  
a new dimension in  
photo-protection



Hintere Bahnhofstrasse, 12  
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*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.*