Top

Suppliers

50

ePassport technology

The quest for security and efficiency to protect borders while facilitating trade, international business and travel continues. Millions of electronic passports are already in circulation around the world and developing countries are now embracing the change. Issues such as international cross-border migration, people smuggling, illicit trade and international crime are also incentivizing governments to establish enhanced-border control infrastructures. At the same time e-passports play a key role in the world's economy by ensuring trade, in the context of the global village, 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 in-

clude 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 and other credentialing cards and documents.

Top 50 Suppliers — ePassport technology

Supplier	Website	Security Paper	IC Chips	Operating Systems	Inlays / Antennas	Cards / Passports	Prelaminates	Card Manufacturing	Data Capture and/or Personalization	Software / Applications	Readers / Hardware	System Integrator	Value Added Reseller
3M	www.3M.com/security					✔			✔		✔	✔	
ARH	www.arhungary.hu								✔		✔		
ASK	www.ask-rfid.com				✔	✔					✔		
Atlantic Zeiser	www.atlanticzeiser.com					✔			✔	✔		✔	
Biomorf	www.biomorf.co.id			✔		✔			✔	✔		✔	
Bundesdruckerei	www.bundesdruckerei.de					✔		✔	✔	✔	✔	✔	
Cognitec Systems	www.cognitec.com					✔			✔	✔			
Collis	www.collis.nl					✔			✔	✔	✔	✔	✔
Cross Match Technologies	www.crossmatch.com								✔	✔	✔		
Datacard Group	www.datacard.com							✔	✔	✔			
De La Rue	www.delarue.com	✔	✔	✔	✔	✔		✔	✔			✔	✔
Dermalog	www.dermalog.de								✔	✔	✔		
Diletta	www.diletta.com							✔	✔	✔	✔		
Edaps Consortium	www.edaps.com	✔				✔		✔	✔	✔	✔	✔	✔
Elyctis	www.elyctis.fr								✔	✔	✔		
Entrust	www.entrust.com			✔					✔	✔			
Exceet Group	www.exceet.ch					✔		✔				✔	
Fasver	www.fasver.com				✔								
Gemalto	www.gemalto.com		✔	✔	✔	✔		✔	✔	✔	✔	✔	
GET Group	www.getgroup.com					✔			✔	✔	✔	✔	✔
Giesecke & Devrient	www.gi-de.com	✔		✔	✔	✔		✔	✔	✔		✔	
HID Global	www.hidglobal.com				✔	✔		✔	✔	✔		✔	
HJP Consulting	www.hjp-consulting.com									✔		✔	
IAI	www.iai.nl								✔				
IBM	www.ibm.com			✔						✔		✔	
Infineon Technologies	www.infineon.com		✔										
Integrale Solutions	www.integralesolutions.com	✔		✔	✔	✔		✔	✔	✔	✔	✔	
Iris	www.iris.com.my		✔	✔	✔	✔		✔	✔	✔	✔	✔	✔
JDSU	www.jdsu.com	✔											
Keynectis	www.keynectis.com									✔			
Kugler-Womako	www.kugler-womako.com					✔						✔	
Landqart	www.landqart.com				✔	✔							

		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
Lumidigm	www.lumidigm.com								✔		✔		
Masktech	www.masktech.de			✔					✔	✔			
Melzer	www.melzergmbh.com				✔	✔		✔					
Morpho	www.morpho.com		✔	✔	✔	✔		✔	✔	✔	✔	✔	
Mühlbauer	www.muhlbauer.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

Biomorf

Building best in class biometric products and solutions for both the Civilian and Criminal Identification sector

BIOMORF
PT. BIOMORF LONE INDONESIA

Multi-modal technologies:

• Biometric- Fingerprint/Iris/ Face for Authentication
• RFID- Secure, Portable Credential Storage and Retrieval
• SMS - Wide Reaching (GSM/ GPRS) and Cost Effective

Applications:

• Identity Management,
• Border Control,
• Time and Attendance
• Secure Credentials

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PT BioMoRF Lone Indonesia

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.

NATIONAL IDENTIFICATION SYSTEMS

The National ID System is a distributed system which is modular, highly flexible and scalable with plug and play architecture which can be easily deployed on any size platform. It provides great flexibility with an ability to use any Biometric SDK, Search Engine and/or Biometric Capture devices.

AUTOMATED MULTI BIOMETRIC IDENTIFICATION SYSTEM (AMBIS®)

AMBIS® is a unique server software architecture that runs on commercial off-the-shelf hardware components, making it easy for integrators or customers to expand the capabilities of the system as the scope of the identification program grows. AMBIS® is capable of matching any biometrics (Fingerprints, IRIS or Face) against a database of image records.

MOBILE IDENTIFICATION SYSTEM (MIS)

MIS employs modular handheld devices that link by a variety of communication protocols to facilitate remote searches of centralized or self contained databases. Our MIS solution is able to process and store fingerprints, facial images, descriptive data, signatures and documents. "In the field" access to an individual's ID and personal history enables users to make informed and rapid decisions about the prescribed course of action.

TIME AND ATTENDANCE ACCESS CONTROL SYSTEM (T&A)

T&A provides and manages biometric solutions using proprietary fingerprint technology - designed for 1:n fingerprint matching solutions. BioMoRF T&A incorporates an innovative 'Next Generation' centralized monitoring tool, with a unique combination of three technologies - biometrics, RFID and SMS.

BORDER MANAGEMENT SYSTEM

A significant increase in globalization and traffic between countries with attendant potential for illegal immigration, transitory criminals and terrorist threats has created a dramatic need for increased security measures. Addressing these issues demands a massive effort from immigration and police authorities to create secure boundaries defining the geographical and political limits of the country. Our Secure Border Management System integrates the latest advances in security technology and provides immigration authorities and law enforcement with the tools to deal effectively with these new threats.

BIOMETRIC LIVE SCAN SYSTEM

Biometric Live Scan Systems combine measurable physical traits humans with digital technology to provide rapid and highly accurate identification and verification. These electronic devices incorporate biometric templates and sophisticated algorithms to match 'live captured' biometric samples with previously identified images stored in a database.

3M Security Systems Division
www.3M.com/security

CARDS, PERS, HW, SI

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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
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PERS, HW

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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
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INL, CARDS, HW

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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.

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CARDS, PERS, APP, SI

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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
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CARDS, OS, PERS, APP, SI
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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
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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.

Cognitec Systems
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CARDS, PERS, APP
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Cognitec develops market-leading face recognition technology and applications for industry customers and government agencies 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, border control, ICAO compliant photo capturing and facial image quality assessment. Corporate headquarters are located in Dresden, Germany; other offices are in Miami, FL; Rockland, MA; and Hong Kong.

Collis
www.collis.nl
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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.

Cross Match Technologies
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PERS, APP, HW
Unstrutweg 4, 07743 Jena – Germany   Tel. +49 3641 4297 0   Fax +49 3641 4297 14

Cross Match Technologies is a leading global provider of high-quality multimodal biometric identity management solutions, used to capture and process the unique physiological characteristics of individuals to establish and verify their identities. Cross Match's government and commercial customers use its biometrics solutions in a variety of security and surveillance programs. Offerings include multiple biometric technologies capable of wireless, mobile or stationary use that encompass fingerprint and palm scan devices, facial capture software, iris capture devices, multimodal mobile solutions, document readers, biometric software, and related services.

De La Rue
www.delarue.com
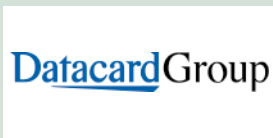identity.systems@uk.delarue.com

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

Datacard
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CARDS, PERS, APP
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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.

Dermalog
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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
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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 producing 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 amazing expertise and ample experience. Through this worldwide experience Diletta is adequately equipped to meet your every requirement.

LEGENDA

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

The EDAPS Consortium

The EDAPS Consortium is the leader in the sphere of development and implementation of ID documents and IT systems

EDAPS
CONSORTIUM

Components
- Security Paper
- Cards/Passports

Equipment
- Card Manufacturing
- Data Capture & Personalization

IT Systems
- Software/Applications
- Readers/Hardware
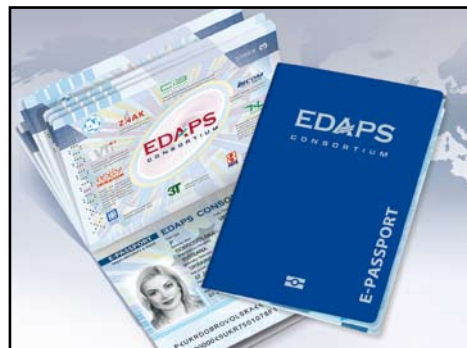
Services
- System Integrator
- Value Added Reseller

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Kyiv, 02088, Ukraine

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Fax +38 0 44 561 25 85

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The EDAPS Consortium provides operation and services for clients on the basis of its in-house products and solutions while fulfilling unique state and commercial projects.

The EDAPS Consortium also offers government and state authorities solutions in identity documents, laser engraving systems for personalization of identification document, production of highly secured biometric passports, ID cards, creation of electronic government and integrated systems for the registration of individuals. The EDAPS Consortium embodies state-of-the-art achievements in the security printing industry. The Consortium has its own unique technologies in the areas of biometrics, issuance of highly protected documents, information systems, lasers, polycarbonate, demetallized holograms, contact and contactless chips, track and trace solutions for excise stamps, comprehensive solutions for preventing the counterfeiting and falsification of goods and documents.

Certified industrial facilities of the EDAPS Consortium make provisions for production and outsourcing of personalization of payment cards for international payment systems, multifunctional smart cards with social applications on the basis of contact and contactless interfaces.

MEGAFLEX – NEW PRODUCT FOR AUTOMATED CONTROL AND PROTECTION AGAINST COUNTERFEIT

- goods and documents protection against counterfeit using high-tech means
- flexible multipurpose platform for development of various secured and up-to-date complex protection means against counterfeiting of goods and documents as well as for their tracing
- protection for all kinds of goods and documents
- an optimal efficient combination of the best security elements.

MegaFlex complete configuration: RFID-chip, demetallized hologram with spectral tags, 2D-code, continuous numbering of protected objects, classic high resolution printing. RFID-chip serves for storage of variable information or for the contactless access to the fixed data. Some part of information which is stored in RFID-chip may be duplicated in case of chip failure.

MegaFlex Concept: When the marked boxes are transported, it is important to protect the stickers from unintentional damage. Disposable RFID-tag based on NXP chip serves as a device for contactless change of information about the goods.

High resolution hologram with a spectral marker:
- brand protection element has an attractive appearance, a unique design, it is used for the visual check up of the goods authenticity
- shields the chip and RFID antenna, protects the chip against counterfeiting or duplication.

MegaFlex Assignment:
- primary verification of the goods authenticity and the goods packaging is done during scanning the hologram with a portable detector
- electronic track and trace of the movement of the goods cargo is fulfilled while reading the data from the RFID-chip - a device for contactless change of information about the goods in the form of a single-shot RFID-tag based on NXP chip.

MegaFlex Benefits:
- platform flexibility — possibility to choose the best set of the security elements
- availability of various constituents — each has its own range of complexity, allowing end product price regulation
- security elements may be used both in plastic and paper documents, as well as while marking and packing goods.

Edaps Consortium
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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.

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ELYCTIS
e-ID expert

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
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OS, PERS, APP
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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.

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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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SERVICES
SI   = System Integrator
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HID Global

HID Global - Trusted Leader in Secure Identity Solutions

Components
- Inlays/Antennas
- Cards/Passports

Equipment
- Card Manufacturing
- Data Capture & Personalization

IT Systems
- Software/Applications
- Readers/Hardware

Services
- System Integrator

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www.hidglobal.com/
citizen-ID

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.

Global Deployment

In the Government-to-Citizen sector, HID Global's Government ID Solutions offers an end-to-end source 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 of the top scanner suppliers, and are also deployed in government projects internationally.

Worldwide reference programs include prelaminates 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 prelaminates, HID Global offers innovative products to build solutions to requirements, whether document priorities are driven by durability, security, reliable chip performance, easy integration 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, prelaminates, 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.

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
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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
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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 Borchen – 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-identiy 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/ccs
www.infineon.com/security

IC
Am Campeon 1-12, 85579 Neubiberg – Germany   Tel. +49 800 951 951951   Fax +49 89 234 9553431

Infineon Technologies offers semiconductor and system solutions addressing three central challenges to modern society: energy efficiency, mobility and security. As a world leader in secure chip card ICs, Infineon offers a broad portfolio of security controllers, security memories and other semiconductor and system solutions for a wide spectrum of smart card and security applications. Based on more than 25 years of experience in the security industry, Infineon contributes its expertise to increase the security of today's solutions in all relevant application fields, such as the identification of persons and objects, payment, communications, public transportation and entertainment.

Integrale Solutions
www.integralesolutions.com
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SP, OS, INL, CARDS, MF, PERS, APP, HW, SI
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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
marketing@iris.com.my

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

Technology Park Malaysia, Bukait Jalil 57000, Kuala Lumpur – Malaysia   Tel. +603 8996 9788   Fax +603 8996 0441

Iris Corporation Berhad is a globally recognised end-to-end solutions provider and systems integrator for trusted identity. IRIS' enabling solutions in the areas of ePassport and eID include chips, inlays, operating systems, smart devices, manufacturing, contactless identification and RFID technologies. More than a decade since pioneering the world's first ePassport, IRIS today immerses itself in synergistic relationships with local partners to serve businesses and governments across the globe.

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
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APP

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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
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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.

IRIS

BEYOND THE BOOK

Portable, Mobile, Automated, Border Control Management

IRIS®
Bringing Solutions to Life

Integrated, Enabling solutions for Multiple Credential Identification Systems

- ePassport & eID
- eSubsidy
- eHealth
- eDriving License
- eTicketing
- ePayment
- Asset Management
- Border Management

ICAO/ISO Manufacturer & System Integrator
- Contact & Contactless Chips
- Substrates & Inlays
- Operating Systems
- RFID Technologies
- PKI for PA & EAC
- Smart Devices for Data Capture, Mobile Enrolment, Personalization

IRIS Smart Technology Complex
Technology Park Malaysia
Bukit Jalil, 57000
Kuala Lumpur

Tel. + 603 8996 0788
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Compelling Issues

With an ever increasing trend of electronic passports around the world, unprecedented challenges of security and convenience to government and travelers respectively are even more important now. Incorporating new technologies into the passport clearance brings with it fresh capabilities as well as risks. Governments need to be equipped with the right solution to overcome these challenges.

Ground Breaking Achievements

After launching the world's first electronic passport (1998), IRIS continues to push back the boundaries by deploying automated border control (2000), biometric passport (2002), passport renewal kiosk (2006) and extended data structure (2007). All of which are world's firsts. These achievements are proof of IRIS' commitment and expertise in the ePassport domain and beyond.

Mobile Solutions

IRIS' latest mobile readers addresses the government's requirements of improving traveler experience through fast, high throughput clearance without compromising security. Automated, efficient passport clearance is now in the palm of your hand. IPT1000 and ST5 (below) are just examples of IRIS' years of experience and innovation in this industry.

Beyond the Book

As the indispensible travel document heads closer towards worldwide adoption, governments are now focusing on untapping the benefits of "e" in ePassport. The document cannot exist by itself. Its true value can only be established through an environment consisting of comprehensive software ecosystem, innovative hardware, processes and trained personnel.

IRIS IPT1000 Handheld Terminal

IRIS ST5 Ruggedized Smart Terminal

Lumidigm
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PERS, HW
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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
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MaskTech is the leading independent provider of high security smart card operating systems, SoC designs and customized embedded ROM masked products, for human credential applications. MTCOS -- MaskTech Chip Operating System - is a high performance operating system, especially designed for secure semiconductors with powerful crypto co-processor and RFID, dual interface or contact interface. The OS is 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 OS, used in over 43 travel, ID documents and authentication solutions e.g ePassport, eNational ID, eDrivingLicense, eSocialSecurity, eResidencePermit, eRegisteredTraveler, eHealth, eVoting and micropayments globally.

Melzer
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For over 55 years MELZER has been supplying innovative and customized machinery 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.

Morpho
www.morpho.com

IC, OS, INL, CARDS, MF, PERS, APP, HW, SI
Le Ponant de Paris, 27 rue Leblanc, 75015 Paris – France   Tel. +33 1 58 11 25 00   Fax +33 1 58 11 25 50

Morpho, a high-technology company in the Safran Group, is one of the world's leading suppliers of identification, e-document and detection solutions. Morpho is uniquely placed in the market for border management solutions including secure travel documents, e-gates and detection equipment. The Company is specialized in personal rights and flow management applications, in particular based on biometrics. In this sector Morpho is the world leader, as well as in the implementation of identity solutions and biometric identity documents production for both public and private sectors. From passports to identity cards, driver's licenses and resident permits, Morpho is recognized worldwide for its unique secure biometric documents.

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

NADRA - National Database & Registration Authority

Cutting edge technology in system integration and ID solutions for tailor-made solutions anywhere, while factoring in secure national, social and cultural concerns

NADRA Solutions

- Multi-Biometric Identity Cards
- Multi-Biometric e-Passport
- Automated Border Control
- Citizen Registration
- e-Driver's License & Vehicle Registration
- Vehicle Identification & Monitoring System
- Facial Access control & Biometric Identification
- e-Toll Collection System
- e-Commerce Platform (e-Point of Sale)
- Smart Card-based Solution

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 tailor-made solutions for any country. The multiple product & service based applications offered include issuance of Citizen Registration 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. NADRA has a unique method of establishing the family structure to authenticate the identity and roots of each citizen. The retrieval of data has been simplified using a phonetic based system to interface between English and Urdu.

NADRA has successfully issued over 91 million Multi-Biometric ID cards and over 10 million Multi-Biometric Passports, including PKI and other security features compliant with ICAO standards. NADRA has incorporated state of the art Card Production Facility which has produced over 110 million different types of cards. In addition, NADRA has also produced over 12 million children registration certificates. NADRA also has a repository of more that 171 million stored biometric signatures and is rolling out Smart National Identity Cards on chip based technology, equipped with latest technology and security features with match-on-card appellate.

Using advanced technology, NADRA has created a niche market for disbursing cash transparently through multi-biometric cards, such as the "Benazir Card", the "Watan Card" and "IDP cards" for poor, disadvantaged and displaced persons.

Major Projects / Contracts

- Pakistan Multi-Biometric e-Passport
- Kenya Machine-Readable Passport
- Bangladesh High-Security Driver's License
- Sudan Civil Registration System
- Computerized National ID Card Project Pakistan
- System Integration Project - Nigeria
- UNHCR Afghan Refugees Registration
- Benazir Income Support Program (BISP)
- Internally Displaced Person Program (IDPs)
- Biometric Border Control System at Pak-Afghan Border- Chaman
- World Bank − ERRA Earthquake Relief & Rehabilitation
- Pakistan Electoral Rolls
- Census/Registration of Government Employees & Issuance of ID cards.
- ICAO Compliant TD-1 Travel Document (NICOP/POC)
- Electronic Point-of-sale (EPOS) e-Sahulat
- E-Toll Collection System for National Highway Authority

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reema.aftab@nadra.gov.pk

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

Ábel Jeno 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
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CARDS, MF, PERS, APP, SI, VAR

Shahrah-i-Jamhuriat, G-5/2, Islamabad 4400 – Pakistan   Tel. +92 51 90391215   Fax +92 51 9202939

Nadra has successfully issued over 85 million Multi-Biometric ID cards and over 10 million Multi-Biometric Passports, including PKI and other security features compliant with ICAO standards. Nadra has incorporated a state of the art Card Production Facility producing over 110 million different types of cards. In addition to ID Cards for adults, over 11.5 million children registration certificates have been produced. Nadra also has a repository of more that 171 million stored biometric signatures and created a niche market for disbursing cash transparently through multi- biometric cards. Recent implementations like cash disbursement to the poorest of the poor, are evidence of how biometric cards can be effective in social reforms.

Nagra ID
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CARDS, MF, PERS, APP

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nagra ID
SWISS COMPETENCE IN IDENTIFICATION

NagraID (Switzerland), expert advisor and technology provider for the digital & ID security industry, offers tailor made products and value-added solutions, services and transfer technologies for citizens ID's, corporate ID's, financial and e-Consumers ID's markets. Our goal is to provide to selected Partners and Customers the best technologies & solutions to increase their added value proposition and to help them to ensure future business and growth…
NagraID's products are Certified ISO 9001:2008 & Security environment according to EMV and CCEAL5+

NetSeT Global Solutions
www.netsetglobal.rs
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CARDS, PERS, APP, HW, SI, VAR

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NETSET
GLOBAL SOLUTIONS
network security technologies

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

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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

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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
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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

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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, PL
Hamburger Strasse 6, 22952 Luetjensee – Germany   Tel. +49 41 54 7 99 0   Fax +49 41 54 7 99 151

PAV
PRINT_MAILING_CARD_RFID

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 seven European and some African countries with their ePassport inlays and several Asian countries with their 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.

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

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

Avenue Olivier Perroy, Zi Rousset, 1306 Rousset Cedex – France   Tel. +33 442538830   Fax +33 442538448

SPS has delivered several millions of epassport inlays 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.

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

Based on technical and operating experience from more than 200 million e-ID products manufactured and supplied to more than 40 e-ID projects worldwide, SMARTRAC is the global market leader for high quality RFID inlays for e-Passports and National ID Cards. Our customers benefit from high security production facilities in Asia, Europe and the US; EAL5+ site certificate for production of e-ID products; compliance with international standards; highest product quality and reliability; and proven, patent protected 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.

Thales
www.thalesgroup.com/security-services

CARDS, APP, SI

20-22 rue Grange Dame Rose, CS80518, 78141 Vélizy Cedex – France   Tel. +33 1 73 32 00 00   Fax +33 1 73 32 20 22

Thanks to 25 years of proven worldwide experience, Thales is the trusted system integrator of Digital Identity Management secured information systems, providing Administrations with integrated systems to identify people and users. Thales has developed a unique ID expertise and know-how in data enrolment, identity workflow application, Service Oriented Architecture, biometrics technologies and AFIS systems, databases management, identity document issuance and a unique ability to leverage ID infrastructure for e-Applications (e-Tax, e-Health, e-Voting, etc).

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.

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 smart cards and identity documents. Today, Trüb AG is one 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.

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

Vision-Box
www.vision-box.com
info@vision-box.com

IC, OS, CARDS, PL, PERS, APP, HW, SI
R. Casal do Canas n.2, Zona Ind. de Alfragide, 2790-204 Carnaxide – Portugal Tel. +351 21 154 9000   Fax +351 21 154 3901

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

LEGENDA

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