



EDAPS

CONSORTIUM

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Sixth Symposium on ICAO MRTDs, Biometrics and Security Standards Montréal, Canada, 1 – 4 November 2010

Leading player in the global market e-Government solutions for Passports and IDs



EDAPS Consortium mission is to provide Governments with technically advanced system solutions that integrate national ID, passport and security document issuance with a comprehensive Integrated Population Registration System in a vertically integrated cost-effective manner that is responsive to the specific needs and goals of a government



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STATE CENTER FOR DOCUMENTS
PERSONALIZATION of the Ministry
of Interior of Ukraine
Personalization of identification
documents



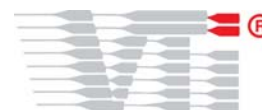
Specialized Enterprise
HOLOGRAPHY Ltd.
Development, manufacture and
implementation of holographic security
elements



ZNAK Ltd.
Manufacture of plastic cards and
plastic-based (including
polycarbonate) identification
documents



Printing Plant ZORYA
Manufacture of secure printed
products and blanks



KP VTI JSC.
Development, implementation and
maintenance of automated systems,
software and databases



POLLY-SERVICE Ltd.
Personalization solutions and
integration



INCOM Corporation
IT integration



COMMERCIAL
INDUSTRIAL BANK Ltd.
Project Financing



3 – T Ltd
Software development, database
operations



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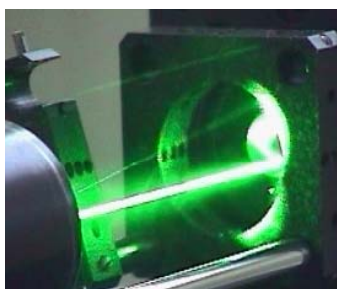


Products and services for e-Government application

- Travel e-IDs & e-Passports
- National IDs
- Driver's license, Vehicle Registration Certificate
- Integrated Population Registration System
- Solutions for securely capturing of the citizen data, managing the database capture for efficient identification and verification processes



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Production capacities

Quality management systems at EDAPS are licensed to meet the international standards ISO 9001:2000, ISO 9001:2008, ISO 27001:2005

We have developed the new system for laser personalization of the ID-documents - "EDAPS Laser"





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Geography of business of the EDAPS Consortium

- Austria
- Azerbaijan
- Armenia
- Bangladesh
- Belarus
- United Kingdom
- Germany
- Georgia
- Israel
- Kazakhstan
- Kenya
- Columbia



- Lithuanian
- Latvia
- Moldova
- The Netherlands
- The UAE
- Pakistan
- Poland
- Russian Federation
- USA
- Uzbekistan
- Ukraine
- France
- Switzerland



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Global International Projects



- E-passport and E-ID for INTERPOL



- Passports for De Beers diamonds



- Creation of a demographic register in Kenya

Ukrainian Passport





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secunet



FIME

Enabling Business with
IC Testing Solutions

Biometric passport

In 2009 a sample of electronic (biometric) passport created by the EDAPS Consortium successfully passed all international tests for compliance with ICAO requirements in the certified laboratories of the European Union. Particularly, logic and physical characteristics of the passport were tested by the laboratories Secunet (Germany) and Fime (France).

More than 100 tests were carried out – they were all passed, without any failures.



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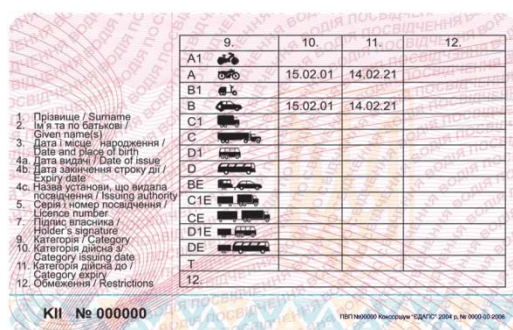
Biometric passport

- Tests on physical resistance and durability of e-passports samples. FIME Laboratory, France, 2009. Positive results of all tests. Protocol C08RAP11-06-5 Version 2.0
- Tests on compliance of radio-frequency (Layer 1-2) according to ICAO requirements "RF protocol and application test standard for e-passport - part 2. Tests for air interface, initialization, anticollision and transport protocol". FIME Laboratory, France, 2009. Positive results of all tests. Protocol C09RAP08-21-2_RF Version 1.0
- Tests on compliance of transfer protocol (Layer 3-4) according to ICAO requirements "RF protocol and application test standard for e-passport - part 2. Tests for air interface, initialization, anticollision and transport protocol".
- FIME Laboratory, France, 2009. Positive results of all tests. Protocol C09RAP08-21-2_Protocol Version 1.0
- Tests on compliance according to BSI TR-03105 "Conformity Tests for Official Electronic ID Documents", part 3 – ePassport. Layer 6-7. Secunet Laboratory, Germany, 2009. Positive results of all tests. Protocol 94428



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Electronic ID1



Driver's License



Vehicle Registration
Certificate



Vehicle Technical
Inspection Card



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FIME
Enabling Business with
IC Testing Solutions



Electronic ID1

- Electronic Driving License Physical Test, ICAO Based Test Plan, ICAO Doc No 232 v3.2, Protocol №C10RAP03-02-6.
FIME Laboratory, France, 2010. Positive results of all tests.
- Tests on conformity of the IDL chip personalization and functional behavior to ISO/IEC 18013-2:2008 and ISO 18013-3:2009 requirements for IDL with a Logical Data Structure in Standard Encoding. No findings were identified during the execution of the tests defined in the ISO 18013-4 on the IDL samples
Collis Test Report Ukrainian Electronic Driving License v 3.1 (final), 12 July 2010.
- ISO/IEC 18013-2 - ISO-compliant driving license - Part 2: Machine-readable technologies, ISO/IEC 18013-3 - ISO-compliant driving license - Part 3: Access control, authentication and integrity validation, ISO/IEC 18013-4 - ISO-compliant driving license - Part 4: Test methods
FIME Laboratory, France, 2010. **Positive results of all tests.**



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New overt security feature developed by EDAPS for the e-documents

ICAO's concept: Biometry is not a panacea for verifying identity

There will be a very strong demand of control authorities for the high quality, robust physical security features in travel and identity documents (Easy to verify)

Powerful features make high-quality secure ID document difficult for forgery and counterfeiting (difficult to reproduce)

New technologies are required to add more layers to security of identification documents



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Samples of Overt Security features:

Facial image of the holder is formed by perforating using laser engraving techniques



The image of map of Ukraine is printed with ink varying under different visual angles



Background elements are printed with security inks of different fluorescence which can be viewed under UV light source





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New overt security feature developed by EDAPS - the High Resolution Demetalized Hologram

- OVD overlay films
- OVD devices integrated into a cardbody
- OVD devices integrated into a datapage
- DEMET OVERLAY is the NEW DEVELOPMENT of EDAPS



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The last but not the least innovation that EDAPS Consortium introducing

the progressive business model for the Governmental agencies

Modular personalization center for the highly secure ID document issuance on BOT model for

- Centralize personalization
- Decentralize personalization



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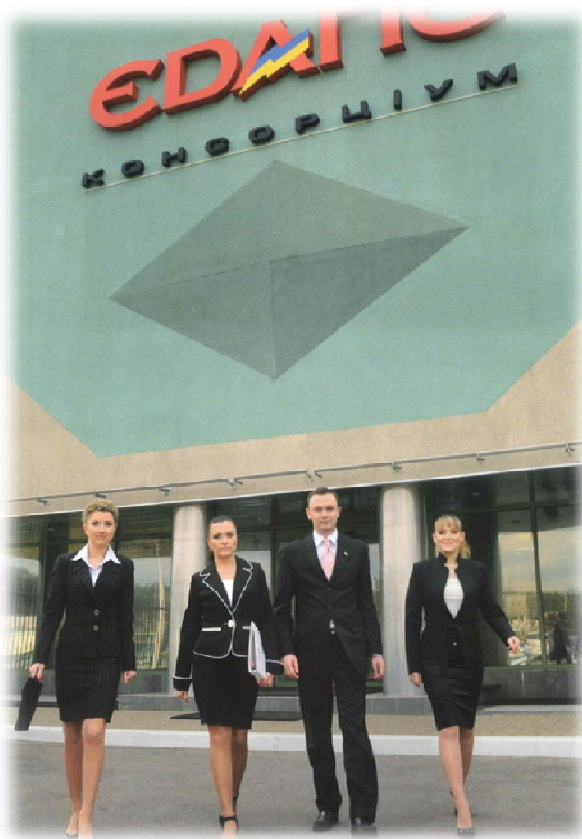


Technologies for Modular Personalization Center

we offer up-to-date IT-systems and technologies for passport and IDcard personalization that are designed for every individual project and comply with industry standards



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Modular Personalization Center

- Consulting
- Project management, including manufacturing phase and start-up
- Implementation and management of the secure personalization systems and solutions,
- End-to-end physical and logical security
- Certification
- Training of the personal



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Information Security Management System
of the Personalization Bureaus built by
EDAPS has been certified as compliant with
ISO 27001:2005 standard.



ISO 27001:2005





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Thank You For Attention

www.edaps.biz

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