

COMPANY PROFILE

Objective and image

DataExpert aims at achieving a long-term profitability through the sale and purchase of software for the police and security market as well as the installation, training, support, maintenance and customisation of this software, thus safeguarding its continuity. This being based on a company culture in which flexibility, innovation and integrity are focal points. For its employees DataExpert wants to be the company that has a strong commercial/client-directed drive based on an open teamspirit.

Target group

DataExpert focuses on the police-, security- and fraud combating sector. The product portfolio consists of high-quality software customised to the specific needs of the target groups.

The systems most commonly used are client-server orientated, with Windows PC's on the client side. All versions of Windows (3.11, Windows '95 and Windows NT) are supported. DEC/VAX- Unix and Windows NT systems are often used as a platform for the server.

PRODUCT/MARKET COMBINATIONS:

Vidocq – Criminal Intelligence System

Together with the CIDs (Criminal Intelligence Departments) of the police forces DataExpert developed the Vidocq software package for use in criminal investigations. DataExpert has the sole marketing rights for this product, which is available under Oracle on Windows, PC/MS-DOS, Novell networks and VAX/VMS. Vidocq*Expert is customised to the specific needs of the large-scale investigations carried out by CIDs.

Vidocq is also used by regional police forces connected via the data communication network PODACS. At the moment the package is used by several regional police forces, national services and security and fraud-combating organisations in the Netherlands, mainly in multi-user environments. Furthermore Vidocq is being used nation-wide at the Belgian police force and the Belgian judicial police.

Analyst's Notebook - Specific packages for investigative analysis

DataExpert is the sole distributor for the Netherlands and Belgium of the Analyst's Notebook products developed by i2 Ltd, Cambridge, England. The Notebook consists of two specific packages for crime analysis: Case Notebook, a database-independent package for case analysis and Link Notebook, a similar package for analysing groups of offenders.

The Analyst's Notebook have become the standard for investigative analysis software. Apart from the regional police forces, the Dutch National Criminal Intelligence Service (CRI) and all large banks use the package.

iConnect

DataExpert B.V. has developed an interface between the investigative analysis package Analyst's Notebook and the criminal intelligence system Vidocq. This interface, called "Vidocq-Connect", offers the user the possibility of on-line querying the underlying database (Vidocq) from within the Analyst's Notebook and visualizing the data retrieved directly into a chart. It is therefore not necessary to leave the application to add elaborate data to the chart being created. The user sees the Analyst's Notebook as the graphical module of Vidocq. By means of the software package iConnect the connection between existing databases and Analyst's Notebook can be developed.

Apart from being linked to Vidocq, Analyst's Notebook can also be linked to other databases, such as Octopus, Syfact, Polis, PIP and RBS. Of course all Analyst's Notebook features can still be used, e.g. importing information from other sources.

iTel

iTel is a Windows-based application for querying, managing and analysing information on telephone logs, subscribers and call schedules. It is fully integrated within the Analyst's Notebook, thus enabling telephone information to be directly visualised and being related to other intelligence available in a case.

iTel provides the analyst with another powerful analysis tool. Subscribers and data concerning numbers called (subscriber name, date, time, length of conversation, etc.) are grouped into cases, which can subsequently be merged in order to give an accurate view of the telephone communications.

iBase

iBase is a relational database, where the user is designer and administrator at the same time. Most important is the user, who decides which entities and attributes are being registered in the database, which kind of relations are being used and which information is being visualised in the Analyst's Notebook.

iGlass

iGlass is a tool for crime pattern analysis and research to be used on quantitative data (i.e. datamining) connected with the Analyst's Notebook and meant for management information. Results are displayed graphically by a line-, bar-, pie-, table chart and other graphic presentations.

EDISON/HKD and EDISON/VRD
Digitized image storage and processing

Edison/HKD and Edison/VRD are software products designed for digitizing images (photographs, slides, negatives, videos, etc.). Advanced compression and de-compression techniques are used based on the JPEG-standard. They are open systems, which implies: standard interfaces for connections to peripherals and databases.

Edison is marketed in co-operation with the Dutch police force, who is the official owner of this software. Edison is available in two versions: first there is Edison/HKD for digitizing pictures of suspects, connected with the suspects description system HKS. Facilities in this version are among others: standard photo confrontation in several languages (text and sound), central and decentral confrontation, the mobile version for confrontation in the field and a connection with AHS, the Associative Recognition System.

Secondly Edison/VRD, this version is linked to VAS, the database of the Aliens Registration Bureau. A separate module is the ordering module that makes digital delivery of data for the Aliens documents possible .

PCS

Abroad image processing systems are marketed under the name of PCS (Picture Confrontation System). This product differs considerably from the Dutch product, as PCS incorporates the description traits into the image database. This means that the product can either be used as stand-alone or connected to existing databases used in the countries concerned.

AHS

AHS is an Associative Recognition System which seeks by witness description and selects in a database; used in combination with Edison or PCS and designed to increase search results in a query. AHS seeks for saved data that resembles the input as much as possible.

The data doesn't have to match exactly; the system always comes up with a search result. The main advantage is that the system accepts all characteristics without missing out on interesting persons.

PIRES

By means of PIREs, a persons facial characteristics can be abstracted from a picture. PIREs can perform automatically portrait recognition without human intervention. Based on the description PIREs searches for similar portraits in the database.

CD-FIT

CD-FIT is an application for creating facial composites. This system has been selected by the CRI from a number of similar systems because of its functionality, quality, user convenience, price and the fact that the package has already proven its worth to a large number of police forces abroad.

CD-FIT enables the detective - in co-operation with the witness or victim - to create a true-to-life facial composite based on a special method of interrogation. Moreover, CD-FIT offers numerous facilities to make enhancements by means of tattoos, jewellery, hats, spectacles, etc., but also the editing of scanned existing photographs, e.g. unidentified post-mortem images and pictures of comatose patients or the ageing of facial pictures taken long ago.

Body-FIT

Body-FIT is a practical tool for composing the full appearance of a suspect in the clothes the person worn at the time of the crime. The use of Body-FIT is not limited to the visual description of offenders, but can be extended to describe and visualise missing persons or unidentified victims. It runs under Windows and is therefore completely mouse-driven.

Together these products enable the user to create a full picture of the person involved.

FIT-Manager

FIT-manager is designed to save composites and make queries in the database based on characteristics of the composition.

Sales and Promotion

Given the nature of its target group and products DataExpert has chosen to market its products via direct sale by its own staff, supported by direct-mail campaigns, seminars and fairs organized within the relevant target groups.

Markets

DataExpert is not only active on the police and fraud-combating market in the Netherlands, but also in Belgium. As for Germany and Switzerland a co-operation is realized with local partners who are associated with the police

Organisation

DataExpert does not only personally take care of its own direct sales, but also of the support given to its customers, thus ensuring that they will not have to deal with others than DataExpert during the life cycle of the product. The support consists of installation, training, telephone support and software maintenance.

DataExpert handles:

- Marketing and sales
- Distribution
- Hardware counselling
- Implementation and organisational support
- Individual (customised) solutions
- Software installation
- Training
- Telephone support
- Software maintenance (all kinds: bug fixing, updating to new system software versions, e.g. of MS-DOS and Windows, and - especially - new functionalities)

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Center for Nonproliferation Studies

at the Monterey Institute of International Studies

Center for Nonproliferation Studies (CNS) at the Monterey Institute of International Studies is the largest nongovernmental program in the United States devoted exclusively to research training on nonproliferation issues. The CNS has a staff of more than 45 full-time and 60 part-time personnel, with offices in Monterey, CA; Washington, DC; and Almaty, Kazakhstan.

The mission of the CNS is to combat the spread of weapons of mass destruction by training the next generation of nonproliferation specialists and disseminating timely information and analysis.

THE PROJECTS OF THE CNS

The **Monitoring Proliferation Threats Project** tracks the proliferation of nuclear and missile technologies and materials. The project maintains one-of-a-kind databases that monitor international nuclear and missile trade worldwide, as well as domestic developments within countries of concern. Comprising more than 20,000 abstracts from more than 380 international sources, the nuclear and missile databases provide reliable, up-to-date information to analysts and policymakers throughout the world. The International Atomic Energy Agency (IAEA) and the UN Special Commission on Iraq (UNSCOM) have adopted these databases as their principal sources of non-governmental information on international nuclear transactions.

The **Newly Independent States (NIS) Nonproliferation Project** has established a multi-disciplinary community of nonproliferation specialists throughout the former Soviet Union. The project has assembled and trained a core group, consisting of more than five dozen government officials, policy analysts, teachers, journalists, and scientists from Armenia, Belarus, Georgia, Kazakhstan, Kyrgyzstan, Lithuania, Russia, Ukraine, and Uzbekistan. The project offers training and research materials to core group members, helps scholars prepare curricula for nonproliferation courses in the Soviet successor states, facilitates the integration of NIS specialists into the broader international nonproliferation experts, and publishes timely material about post-Soviet proliferation developments. Each year, approximately 10 individuals from the former Soviet Union are brought to Monterey for two to four months of intensive research and coursework.

The NIS Nonproliferation Project also maintains a computer database that provides nuclear-related information on the former Soviet Union. This database contains information compiled from primary sources from many of the post-Soviet republics.

3. The **International Organizations and Nonproliferation Project** conducts research and policy analysis on the new roles and activities of international organizations as they deal with emerging proliferation concerns. The project currently focuses on ways to strengthen the Non-Proliferation Treaty review process and to prepare policymakers for the 1999 PrepCom and 2000 Review Conference. It also publishes case studies on select organizations and treaties, and prepares analyses and policy recommendations on how these organizations might function more effectively. The project prepares an annual *Inventories of International Nonproliferation Organizations and Regimes*.

4. The **Chemical and Biological Weapons (CBW) Nonproliferation Project** monitors the proliferation of chemical and biological weapons and develops strategies for halting and reversing their spread. The project emphasizes "demand-side" approaches to nonproliferation: efforts, such as global arms control regimes and regional confidence-building measures, that change the incentive structure of proliferators so that they no longer seek these weapons. Current research activities cover the following areas: (1) overcoming obstacles to chemical and biological disarmament in Russia; (2) assessing motivations for CBW acquisition by states and terrorist groups; and (3) collecting information on and evaluating chemical, biological, and radiological terrorism.

5. The **East Asia Nonproliferation Project**, launched in 1995, is modeled after the NIS Nonproliferation Project. It seeks to build a community of specialists in East Asia (including China, Taiwan, Japan, and the two Koreas) by facilitating the introduction in the region of new university courses on arms control and nonproliferation; providing specialized libraries; training young area specialists, journalists, research analysts, and professors in nonproliferation issues; and linking a new generation of professionals in this region to the international community of nonproliferation specialists.

NONPROLIFERATION TRAINING

The Monterey Institute of International Studies is a private graduate school with approximately 800 students, offering M.A. degrees in International Policy Studies, Public Administration, International Management, Teaching English to Speakers of Other Languages, Teaching Foreign Languages, and Translation and Interpretation. The Institute also offers a certificate in nonproliferation studies, enabling students to receive technical and policy-oriented training from CNS staff. The CNS also offers selected students the opportunity to work on one of the five core projects. Finally, CNS enables students to acquire on-the-job training through participation in four- to six-month internships at international nonproliferation organizations, including the UN De-

partment of Disarmament Affairs, the IAEA, the Conference on Disarmament, the Organization for the Prohibition of Chemical Weapons, and the Organization for the Prohibition of Nuclear Weapons in Latin America.

CNS DIRECTORS AND SELECTED SENIOR STAFF

Dr. William C. Potter, the Director of the CNS, is also the Director of the Center for Russian and Eurasian Studies and an Institute Professor at the Monterey Institute. He is an expert on NIS security issues, nonproliferation, and nuclear safety, and has written numerous books and articles on these topics.

Dr. Amy Sands is the Associate Director of the CNS and the Director of the Monitoring Proliferation Threats Project. She formerly served as an Assistant Director at the US Arms Control and Disarmament Agency and the proliferation section leader at Lawrence Livermore National Laboratory. She is an expert on international terrorism, arms control verification, and information management related to proliferation.

Dr. James Clay Moltz, the Assistant Director of the CNS and Director of the NIS Nonproliferation Project, is a specialist in Russian/NIS proliferation issues and Northeast Asian security affairs. He supervises CNS work in the nuclear submarine field, and has written widely on such topics as missile proliferation and the North Korean nuclear program.

Dr. Lawrence Scheinman, Director of the CNS office in Washington, DC, previously served as Assistant Director of the US Arms Control and Disarmament Agency for Nonproliferation and Regional Arms Control. He was the leader of the US delegation to the 1997 NPT PrepCom. He has written numerous works on nonproliferation, including major studies of the IAEA.

Dr. Sola Ogunbanwo, Diplomat-in-Residence at the CNS, is the Chief Expert Advisor on the African Nuclear-Weapon-Free Zone. He formerly served as the Director of the United Nations Disarmament Training Program and as the Secretary-General of the Fourth Review Conference of the Biological and Toxin Weapons Convention. He also represented the United Nations in 1997 in international meetings of experts on the Convention to Ban Anti-Personnel Land Mines.

Dr. Monte Bullard is the Interim Director of the East Asia Nonproliferation Project. He is a retired US Army colonel with lengthy experience in Taiwan, Hong Kong, Beijing, and the United States as a specialist on Chinese military affairs, and served as the first defense attache at the US embassy in Beijing following the normalization of Sino-US relations. His most recent book is *The Soldier and the Citizen: The Role of the Military in Taiwan's Development*.

Mr. Tariq Rauf is Director of the International Organizations and Nonproliferation Project. Previously, he directed nonproliferation research at the Canadian Centre for Global Security.

He also served as a member of several Canadian delegations to international conferences on nuclear nonproliferation, an advisor to Canada's Parliament, and a commentator on global affairs for the Canadian media.

Dr. Jonathan B. Tucker, Director of the Chemical and Biological Weapons Nonproliferation Project, is a specialist in chemical/biological weapons proliferation and arms control. He worked previously at the US Department of State, the Office of Technology Assessment, the US Arms Control and Disarmament Agency, and on the staff of the Presidential Advisory Committee on Gulf War Veterans' Illnesses.

Dr. Jeffrey W. Knopf is a Senior Research Associate and Editor, *The Nonproliferation Review*. He was previously an assistant professor at the University of Southern California. He has published research on the impact of US and European arms control nuclear weapons protest movements, the nature of public opinion concerning foreign policy, and the conventional arms trade.

Dr. John Lepingwell is Senior Scholar of the NIS Nonproliferation Project. A specialist in Russian and NIS civil-military issues, he was previously an assistant professor at the University of Illinois (Urbana-Champaign) and a senior research analyst at the Radio Free Europe/Radio Liberty Institute. At CNS, he supervises the NIS nuclear database.

Dr. Raymond Zilinskas is Senior Scientist in Residence with the CBW Nonproliferation Project. A clinical microbiologist, he was previously a research associate professor at the University of Maryland, and he remains an adjunct associate professor at the School of Hygiene and Public Health, The Johns Hopkins University. In 1994, he helped UNSCOM design its monitoring and verification program to deter Iraq from developing biological weapons.

CNS PUBLICATIONS

The CNS publishes *The Nonproliferation Review*, a peer-reviewed journal featuring articles on all facets of the proliferation threat. The CNS staff have published numerous books on nonproliferation subjects, including *Dismantling the Cold War* (Shields and Potter, 1997) and *Nuclear Nonproliferation: A Primer* (Gardner, 1994). With the Carnegie Endowment for International Peace, CNS also publishes the periodical *Nuclear Successor States of the Soviet Union: Status Report on Nuclear Weapons, Fissile Material, and Export Controls*.

ADDITIONAL INFORMATION

For more information, please contact the Center for Nonproliferation Studies, 425 Van Buren Street, Monterey, California, 93940, USA. Fax: 831-647-3519. Tel: 831-647-4154. E-mail: cns@miis.edu. CNS information and products can also be accessed on the World Wide Web at URL: <http://cns.miis.edu>.



OXFORD ANALYTICA

Founded in 1975 by Dr David Young, *Oxford Analytica* is an international consulting firm which analyses and interprets the implications of worldwide political, economic, financial, public policy and business developments for government and commercial clients. It is our belief that the correct identification of risks and opportunities allows their successful management and exploitation.

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- As tailored Consultancy and Research focused on specific client problems.

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NSPIS RECOMMENDED ADDRESS MANAGEMENT SOLUTION UNDERLINES ITS VALUE TO POLICE FORCES

QAS Systems Ltd, the leading supplier of name and address management software systems, will be demonstrating its widely acclaimed QuickAddress range at EuroIntel 99. QuickAddress is the NSPIS recommended solution for name and address management.

QuickAddress provides rapid and accurate address capture by returning the Royal Mail approved address from the postcode or even partial addresses, therefore addresses captured are accurate and free from input errors. In addition, the time taken to input addresses is reduced by up to 80%, bringing significant productivity gains.

QuickAddress can also return the names of individuals living at an address as shown on the Electoral Roll. The Electoral Roll contains the details of the UK's 44 million registered electors and linked with the Royal Mail Postcode Address File provides a quick and accurate way to capture and validate a name with an address.

The collection of names data has been further enhanced with QuickAddress NameTracer, which allows users to search on individuals' names to find their location. For example, Police Forces can use the software to trace individuals for potential questioning. By entering the individual's name, QuickAddress will return a list of related addresses. The search can be performed on a combination of the forename, initial and surname with the ability to make allowances for any incorrect spelling. QuickAddress NameTracer is ideal for any organisation that demands the location of individuals, for example, Police intelligence units, Customs officers and debt recovery agencies would benefit greatly from NameTracer. The software also replaces the long laborious task of manually searching paper records.

QuickAddress can also be readily integrated within GIS systems and provides an ideal front end enabler to GIS systems.

QuickAddress is already in use with twenty six UK police forces across a broad spectrum of applications including crime recording, custody, case preparation, front desk, and personnel. In conjunction with mapping systems, it is also used to identify crime patterns such as crime hot spots etc.

For further information, please contact James Bagan, NSPIS Business Manager at QAS Systems Ltd on 0171 498 7777.

QAS Systems Limited

Company Fact Sheet

- Founded** QAS Systems is a private limited company established in 1990.
- Charter** To develop and market name and address management systems consistent with its status as the leading value added reseller for the Royal Mail's Postcode Address Files (PAF).
- Largest PAF VAR For 5 Years** For the years ending 30th March 1993, 1994, 1995, 1996 and 1997, QAS Systems sold more licences for the Royal Mail's Postcode Address Files (PAF), in value terms, than any other PAF VAR.
- Products Highlights** The QuickAddress range of name and address management software systems is designed to offer significant cost savings and improved productivity in the areas of name and address capture and related mail based activities.
- In addition to the core functionality of name and address management, the QuickAddress range offers products providing a host of information and data which is related to an address or postcode.
- Sales Channels** QAS sells through both direct and indirect channels.
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