

## Company Profile

EUROPEAN DYNAMICS (ED) is a leading multinational group of companies providing Information and Communication Technologies solutions. ED offers its services to the public and private sectors, in 50 countries in 4 continents worldwide. ED designs, develops, markets, implements and maintains software products and solutions adopting advanced technologies and innovative methodologies. Customers include government institutions, multinational corporations, public administrations and multinational companies, research and academic institutes.

ED employs over 500 engineers and IT scientists of a very high academic and professional profile. The group generates an annual turnover of approximately 35 million €. The value of contracts under implementation exceeds 200 million €.

ED's areas of expertise include:

- e-Government (e.g. Taxation, Customs, Statistics)
- Intellectual Property, Trade Marks, Patents
- Pharmaceuticals, e-Health
- Finance, Justice, e-Legislation
- e-Procurement, e-Collaboration, workflow, content / document / knowledge management, ICT security, etc.

## EUROPEAN DYNAMICS clients

- Council of the European Union
- European Commission
- European Parliament
- European Court of Auditors
- United Nations
- Eurocontrol
- Interpol / EUROPOL
- European Environment Agency
- European Patents Office (EPO)
- Office for the Harmonisation of the Internal Market (OHIM)
- European Police Office (EUROPOL)
- Publications Office of the European Union (POEU)
- European Railway Agency (ERA)
- European Centre for the Development of Vocational Training (CEDEFOP)
- European Chemicals Agency (ECHA)

## Indicative Software products

- **Electronic Public Procurement System (e-PPS)** is a leading e-Procurement modular platform (installed all around the world).
- **Electronic Intellectual Property System (eIPS)** covers the field of Intellectual Property (trademarks, patents, industrial designs, copyrights).
- **European Customs Dynamic Platform (ECDP)** and **European Taxation Dynamic Platform (ETDP)**, advanced customs and taxations IT needs.

## Indicative International commercial ICT projects

- **IT services in the field of Security** to Europol and Interpol, implementing various contracts concerning the design and development of applications in various classified areas related to international police operations.
- **FADO (False Authentic Documents)** for the General Secretariat of the Council of EU (GSC), an IT application allowing public administrations, police and law enforcement authorities to cooperate and monitor the use of false IDs, passports, driving licenses, etc.
- **Document management and e-collaboration IT system** for the Ministry of Defence in UK.
- **CAMEO** (Collaboration Application for Management of EU-LED Operations), an e-collaboration and MARS application for the European Army.
- **IT-based crises management exercises** - Federal Office of Civil Protection and Disaster Assistance for BBK - in Germany.
- Several implementations of **Lessons Management Applications** within a secure environment with SECRET UE classification for Military and Civilian purposes for EUMS (EU Military Staff and Civilian Staff).
- **eRMIONE is an eRM (e-learning Resource Management)** internet-based environment, delivering on-line services for specific educational programs on European cultural heritage domain.
- **Taxation and Customs IT systems** for Ministries of Finance (Denmark, Poland, the Netherlands, Ireland, Greece, Malta, Cyprus, UK).



ED is an ISO 9001:2008 and ISO 27001:2005 certified company. ED holds a NATO and EU security clearance (secret).

- European Centre for Disease Prevention and Control (ECDC)
- European Banking Authority (EBA)
- European Securities and Markets Authority (ESMA)
- European Insurance and Occupational Pensions Authority (EIOPA)
- European Medicines Agency
- Ministries and government authorities in:
  - Austria
  - Belgium
  - Croatia
  - Cyprus
  - Finland
  - France
  - Germany
  - Greece
  - Ireland
  - Denmark
  - Luxembourg
  - Malta
  - Poland
  - Netherlands
  - Switzerland
  - UK, etc.
- **QLACK** ([www.qlack.com](http://www qlack.com)) a multipurpose middleware enabling dynamic web applications, including social networking, workflows, collaboration portals, etc.
- **Contract and Project Management System (CPMS)** offers a common working space for documents, communications and procedures achieving optimum cooperation in contract implementation.
- **INNOVA, an e-collaboration portal**, which enabled distinct user groups to cooperate on industrial innovation. Each user group was dedicated to a specific industrial branch or technology.
- **sid4health** vendor management application; intelligent online search of suppliers in the field of health. An interface to the D & B (Duns & Bradstreet) rating agency was implemented through web services.
- System for the submission of data related to **human and animal food** from German federal state authorities to the Federal Office of Consumer Protection and Food Safety in Germany, standardisation of information and data structures using code catalogues.
- **Amanda** IT application for capturing and managing information about pharmaceutical products and their packages for Bfarm - Germany.
- **Information Lab Diagnostic System** in Switzerland (Federal Food Safety and Veterinary Office) for collecting and archiving laboratory results of epidemiological data of animal disease along the whole food chain.
- **Data analytics services for the European Medicines Agency.** Design and development of IT systems supporting the operations of ECDC.
- IT applications supporting work of the three supervising bodies within the European System of Financial Supervision, EBA, ESMA and EIOPA.
- IT systems in the field of Trademarks and Patents (UK, the Netherlands, Belgium, Luxembourg, Hong Kong).

## Research & Development

ED's mission in R&D revolves around two axes:

1. Design and develop the ICT technologies of tomorrow, leading to new competitive and innovative products and services that reflect the upcoming needs of society, government and businesses.
2. Advance the scientific knowledge and technical skills of the company, remaining at the edge of competitiveness and technological development.

## Project Management

ED leads international consortia and drives the state of the art with designing complex and technologically advanced projects fusing ICT with other emerging research domains such as robotics, energy, space, health, gaming, social sciences, humanities, culture, etc.

## Research interests & related expertise

- **Smart cyber-physical systems, smart systems integration and the Internet of Things:** interfaces with bio-, nano- and generally heterogeneous interconnected objects for security applications in project TERAEEYE, CHARGED, CONCORDE, HORSE.
- **Earth observation** applications for water management and meteorology in SPACE-O and NextGEOSS. (ED is member of the Hellenic Association of Space Industry)
- **Security Applications and critical Infrastructures:** airport security inspection in TERAEEYE, emergency management in healthcare crises in CONCORDE, preparedness for large-scale and cross-border disasters in TACTIC, and mobile concepts of border control.
- Advanced digital **gaming/gamification** technologies and ICT for cultural heritage & creative industries.
- **Active and independent living and healthcare:** knowledge driven community in healthcare in COCOON, semantic medical and biomedical informatics in SEMANTIC-MINING.
- **ICT and robotics** for Manufacturing: Coordinating HORSE and I4MS action for the IoT and BPM based robotics in factories
- **Digital social platforms and eGovernment:** participative eGovernment policy development in EACE, knowledge-driven networked community for health care in COCOON, distributed collaboration for judicial sites in SECURE-JUSTICE, networking for crisis and disasters management in COSMIC.
- **Energy Efficiency:** Mobile based collaboration, Internet-of-Things based energy disaggregation, interfaces with Building Management Systems and supporting social innovation.
- **Advanced cloud infrastructures:** migration of public services for cities in project STORM. (ED is a Cloud28 partner, <http://www.cloud28plus.eu/>)
- Tools and methods for **software development:** evolutionary adaptive software development techniques in EVOTEST, semantic web services for distributed knowledge access in SEEMP, semantic-based interoperability frameworks in SATINE.

## Participation in EU-funded R&D Projects



**FLEXITRANSTORE (H2020):** Coordinator. Aims to develop a next generation of Flexible Energy Grid, to provide the technical basis for the valorization of flexibility services, enhancing the existing European Internal Energy Market.



**L4MS (H2020):** L4MS aims to provide an integral and pan-European ecosystem to address Logistics for manufacturing SMEs challenges, to unleash the innovation potential of manufacturing industry especially SMEs and Mid-Caps across Europe. I4MS project Phase 3



**BENEFICE (H2020): Coordinator.** BENEFICE leverages novel IoT-enabled, low-cost, "plug-and-play-and-forget" devices, energy disaggregation and an innovative empowerment and rewards approach based on an alternative monetary currency, to change consumers' energy consumption behavior.



**SPACE-O (H2020):** Space-O aims at the integration of satellite technology and in situ monitoring with advanced hydrological, water quality models and ICT tools into a powerful decision support system for generating real time forecasting water flows and quality data in reservoirs.



**NEXTGEOSS (H2020):** NextGEOSS will implement a federated data hub for access and exploitation of Earth Observation data, including tools for data-mining, discovery and exploitation.



**iBorderCtrl (H2020): Coordinator.** Portable Border Control System. A 2-stage-procedure solution that uses modern software and hardware technologies to enable fast and reliable border crossing of travelers.



**SMARTRESILIENCE (H2020):** SMARTRES project will allow benchmarking the best-practice solutions and identifying the early warnings, improving resilience of Smart Critical Infrastructures against new threats.



**ChArGED (H2020): Coordinator.** CleAnweb Gamified Energy Disaggregation. ChArGED proposes a framework that aims to facilitate achieving greater energy efficiency and reductions of wasted energy in public buildings.



**HORSE (H2020): Coordinator.** Technology deployment and uptake of robotic technologies, BPM and IoT in the manufacturing domain. I4MS project Phase 2



**COncORDE (FP7):** RTD project on the provision of decision support for health-care systems crises.



**STORM CLOUDS (FP7):** CIP ICT-PSP project, on the migration of public services for cities to a cloud-based paradigm.