Ifield Computer Consultancy Limited

Company Profile

2007

www.icc-atcsolutions.com
Company Details

Ifield Computer Consultancy Ltd
7 Halsford Park Road
East Grinstead
West Sussex
RH19 1PW
UK

Tel: +44 (0) 1342 32 18 73
Fax: +44 (0) 1342 31 61 82
e-mail: enquiries@icc-atcsolutions.com
Web: www.icc-atcsolutions.com

Key personnel

CEO: George Parobek
Business Development Director: Ken Sheth
European Sales Manager: Richard Paszkowski

Corporate structure

Ifield Computer Consultancy Ltd (ICC) specialises in the provision of systems and services to the Air Traffic Control (ATC), Transportation, Local Government and Charity industries.

The company has facilities in the UK, the Czech Republic and France. Today the company has between 30-40 staff and a turnover of approximately 8 million Euros per annum.

ICC’s client list includes:

- Air Navigation Services of the Czech Republic
- Save the Children – UK
- Greater London Authority
- Continental Airlines
- Lynx
- Sheffield Insulations

Key Milestones

1988: Established by founder, Mr George Parobek, initially as a consultancy with a development and consultancy background in Local government, International charities, Transport industry and Air traffic control systems.
1991: Implemented the first ATC/ATM systems for the Air Navigation Services of the Czech Republic (ANS CR)
1995: Became a Limited company and began development of IDP – a complete ATC front and back office system for ANS CR.
1998: Introduced outsourcing and managed services including, application management, development, systems management and consultancy.
2000: Gained ISO 9001 Certification. Secured major IT outsourcing contract with Save the Children UK (SCUK).
2001: Commissioned by the Greater London Authority (GLA) to implement an authority wide, secure CITRIX solution for London and Brussels office of the GLA.
2002: Certification by the Civil Aviation Authority of Czech Republic services and systems.
2005: ATRAK-IMS® nominated for the prestigious Jane’s “Innovation” Award.
2006: EFDM™ (Electronic Flight Data Management) and the ATRAK® Billing and Statistics system. ATC Maastricht Conference sponsor.
2007: ATRAK-FLT-BRIEF, Flight briefing system, ATRAK-SIMU, Simulation system, and ATRAK-Xrecorder, ATC Data Recording system.
Recent Projects

**Save the Children**

ICC were contracted by Save the Children UK to provide a complete outsourced service to their UK operations. With both “on-site” and “remote” technicians ICC provided support for all of SCUK’s core business systems including HR, Finance and Marketing. This support covered hardware, software, operating system, database and application software. In addition, ICC managed the entire change control process to ensure new systems from 3rd Party vendors were tested and integrated into the SCUK environment with minimum disruption to users.

**Greater London Authority**

ICC provided process & technology migration advice to the Mayor’s Office & Assembly. This involved establishing new IT workflow processes, managing a major technology rollout to Windows 2000/XP, and a new data network & IP telephony infrastructure for the new GLA headquarters at City Hall. ICC also supplied and project managed a Citrix implementation (incorporating VoIP) for the GLA’s office in Brussels.

**Air Navigation Services of the Czech Republic**

ICC has worked closely with the Air Navigation Services of the Czech Republic (ANS CR) as a strategic partner for over 14 years. One of ICC’s primary responsibilities at ANS CR has been the development, management and support of the Information Display Processing (ATRAK®) suite of ATC applications, providing Executive, Planning, Information Management and Radar Fallback functionality. Developed in association with ANS CR, the ATRAK systems are currently installed in the Prague Area, Approach, and Tower operations rooms.

In addition to ATRAK, ICC manage key aspects of hardware, operating systems and applications development and support for ANS CR’s core “back-office” IT systems, including Accounting, Billing and Statistics, HR and Administration. ICC also provides Oracle database management, Java development, ODS Toolbox development and UNIX systems support and management, providing a complete turnkey solution for ANS CR.

Most recently ICC have had significant involvement in the upgrading and migration of “mission-critical” ATC and “Back-Office” MIS systems, (both Civil and Military), to the newly built, state-of-the-art Integrated Air Traffic Control Centre (IATCC) in Jenec, Prague. This major project has involved all aspects of IT infrastructure, servers, workstation, specialist monitor upgrades, critical data backup, secure, extended deployment of working position processing, as well as operating system and application upgrading, testing and deployment. One of the largest projects of its kind in the Czech Republic, ICC have played an integral part in delivering a vast range of hardware and software skills and services to ensure the success of this major project.
Information Management System

Provides a comprehensive range of information to the air traffic-planning controller in real time such as arrival/departure rules, barometric pressure for airports, terminal area information on aerodromes, local traffic and movement areas, and a range of static information. Dynamic data is provided in the form of NOTAMs/SNOWTAMs (special notices), restricted air space, runway co-ordination and use, airport lighting status, weather conditions, APP emergency information and times of sunrise/sunset, and emergency procedures.

Billing & Statistics System

Providing a complete billing and statistics solution for Air Navigation Service Providers (ANSP’s). The system automatically collates base flight data from the relevant Flight Data Processing system, whilst allowing members of the charges office to clear errors, insert or delete flights and supplement the data with additional information, such as operator details, MTOW, distance and location adjustments. The system is fully compliant with the Central Route Charges Office (CRCO) of EuroControl and offers a powerful billing management, billing reporting and statistical analysis solution in one comprehensive package.

Flight Briefing, Simulation and ATC Data Recording

ICC also have solutions for flight plan information, simulation and training for all ATRAK modes, and ATC data recording and playback systems.

ATC Desktender

Provides the facility to centralise and secure an ATC workstation with the user display located remotely at distances up to 1000 m. The Desktender supports displays with resolutions up to 2,500 × 2,000 pixels and is connected by fibre or copper cabling.

ICC are regular exhibitors and sponsors at the worlds leading ATC events - ATC Maastricht Exhibition and Conference, Air Traffic Control Association Symposium, CANSO Annual Congress, and at many other ATC events around the world.

Flight Briefing, Simulation and ATC Data Recording

The ATRAK Suite also include solutions for flight plan information, simulation and training for all ATRAK modes, and ATC data recording and playback systems.

Executive, Planning Control and Radar Fallback System

The ATRAK suite consists of several different modes of operation including Radar Bypass and Planning Control, Executive Control, Information Management and Billing and Statistics. ATRAK is certified to route air traffic by the Civil Aviation Authority of the Czech Republic.

The Planning and Executive Control modes present radar track data from radar feeds, flight plan data from FDP systems, and radar weather information and data from airport weather systems. The system comprises four key elements: radar and flight data processing, weather processing, air situation display and system supervision. The system is designed to be flexible and can be integrated into other ATC systems.

The Radar Fallback mode provides a secure, independent backup to the main Executive Control system in place. It can operate as a standalone back-up system providing back-up traffic flow display functions, or Flight Data presentation in case of fail-over of the main ATC system.

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ATC Desktender

ATRAK - Information Display Processing suite of ATC applications that can be configured to run in a number of different modes to meet the needs of specific ATC operations.

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