

# Knowledge Transfer Partnerships

## Case Study

### Intamac Systems Ltd and De Montfort University

“My experience has been 100% positive and we have exceeded all our goals and ambitions.”

**Simon Hussey, Director**

#### Background

Intamac are at the heart of the Connected Home, offering advanced services and propositions to their customers which save money and energy, offer security and monitoring and give peace of mind. In order to reach the widest market, the challenge is to reduce costs to the consumer and to create an excellent customer experience.

#### Objective

2 year project: to create an in-house capability in embedded software development enabling the company to offer a range of embedded applications for integration into existing third-party products.

#### Company benefits

The company now has an in-house embedded systems capability which has resulted in:

- Expertise in end-to-end interoperability within the home environment
- Knowledge in the utilisation of open standards such as OSGi, UML, SysML
- Development and demonstration of an open homes services gateway

#### Associate benefits

- A key member in major development; taking a proof of concept to a phase two development
- Involved in coding, testing, debugging, and supporting team members at conferences and demonstrations
- Gained great insight and experience of significant product development as well as commercial decisions and impacts involved in such a development
- Developed an Intamac Platform emulator application giving greater knowledge of how the platform works and communicates, with the applications previously developed



*“The major benefits of the KTP is that it has provided me with an accelerated introduction and experience of industry up to director level. It has also provided me with the ability to obtain training and skills from courses that aren’t usually available for many new graduates and has given me firsthand experience of project management and the skills required to manage future projects successfully.”* **Simon Eddison, KTP Associate**

#### University benefits

The academic teams are more informed of industrial needs and trends. These understandings will enhance the opportunities to bid for future research programmes, specifically TSB and EU calls on smart grid, home energy management and telecare services.

A reviewed paper is in progress, partly based on the outputs of this project. Some project outputs have been used to enrich the MSc. Mechatronics programme in teaching Mechatronics system engineering.

#### Partnership outcomes

A closer link to the university has been of benefit to both parties and Intamac has contracted with DMU directly to run an advanced technical feasibility study on video processing and streaming. It is very likely that further development work will follow.

#### Get in touch

For more information about how we can help your business, call (0116) 250 6211 and speak to a member of the Knowledge Exchange Team, alternatively visit [dmu.ac.uk/ktp](http://dmu.ac.uk/ktp)

This Partnership received financial support from the Knowledge Transfer Partnerships programme (KTP). KTP aims to help businesses to improve their competitiveness and productivity through the better use of knowledge, technology and skills that reside within the UK Knowledge Base. KTP is funded by Innovate UK.