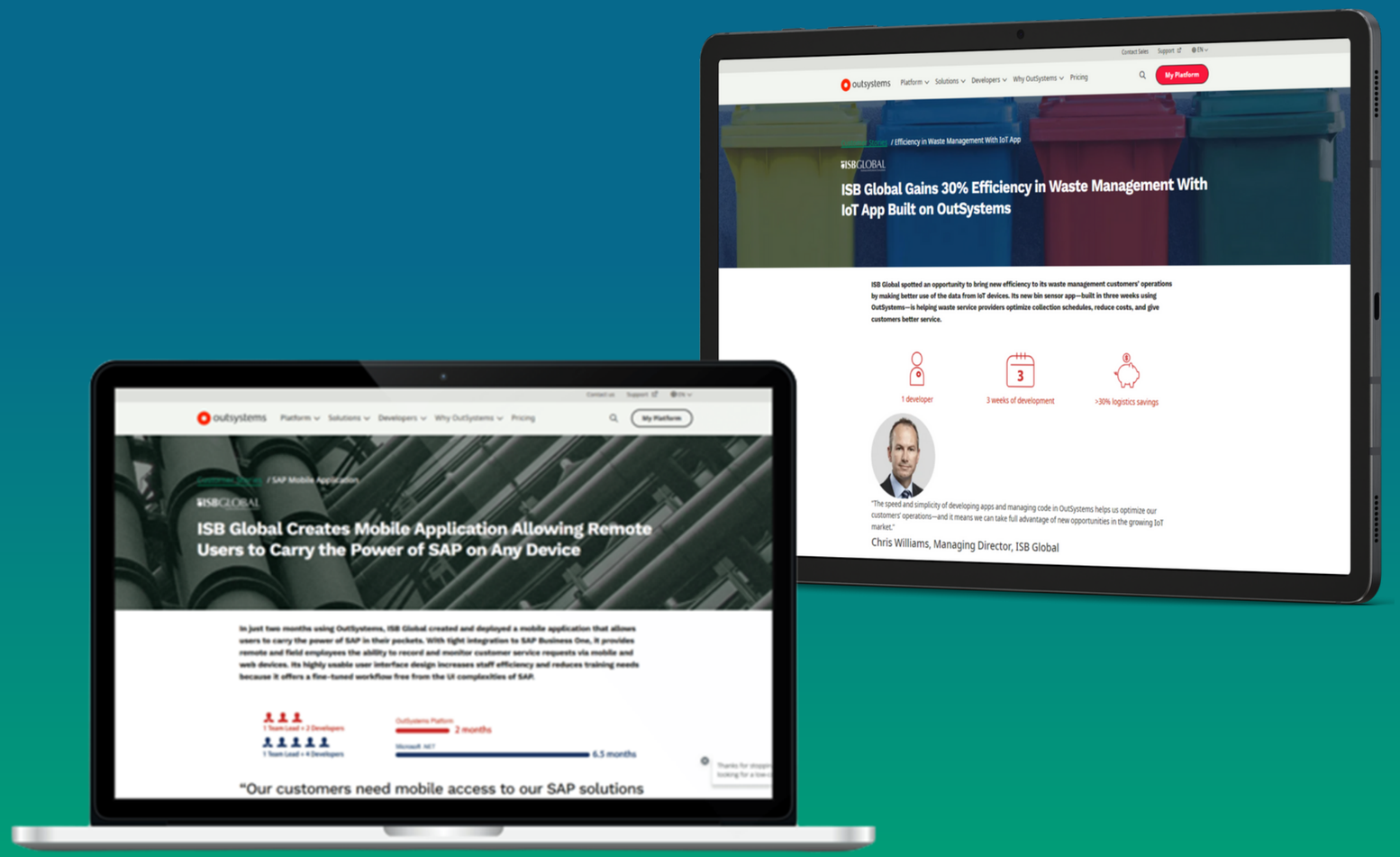
ISBGLOBAL
SMART SOLUTIONS

Success Story Book

GREAT IDEAS INTO BRILLIANT SOFTWARE

A collection of case studies from ISB Global Smart Solutions and our clients.



outsystems Partner REGISTERED

outsystems

HARNESSING THE INNOVATION OF OUTSYSTEMS TO ALLOW REMOTE USERS TO CARRY THE POWER OF SAP ANYWHERE, ANYTIME, ON ANY DEVICE.

WHY OUTSYSTEMS?

OutSystems unites design, code, and deployment into a single system that radically simplifies the process of creating business-critical software while keeping it always-on and always up-to-date.

RESULTS

2

months to create & deploy

0

hours of training required

$300,000

software & hardware savings per annum

CARRY THE POWER OF SAP IN YOUR POCKET WITH REAL-TIME INTEGRATION WITH ON-PREMISES ERPS.

CHALLENGE

Faced with a decentralised user base, a complex SAP user interface and challenges with infrastructure, one facilities services company challenged ISB Global to take WR1 mobile; to reach 150 users across the UK and Ireland.

Many companies face similar challenges; which is why ISB set out to create a truly mobile solution, integrate it with SAP and make it available on a subscription basis as a software-as-a-service (SaaS) solution.

SOLUTION

The architectural complexities of delivering a SaaS solution and the need to connect to multiple ERPs meant a traditional mobile development approach would have taken too much time resource to develop and deploy.

Utilising the OutSystems Platform the mobile application could be brought to market much faster – in a matter of weeks rather than months, thanks to OutSystems' off-the shelf SAP integration and multi-tenancy capabilities.

BENEFITS

With tight integration to SAP, it provides field employees the ability to record and monitor customer service requests via mobile and web devices. Its intuitive and easy to use interface increases staff efficiency and reduces training needs.

It is a 100% SAP integrated cloud solution that renders only the data needed to complete a job as efficiently as possible, guiding users through the process.

RESULTS

The first version of the mobile application, built with two developers, was live in two months. Smart!World offers a fine-tuned user experience across all devices for customer support staff, eliminating the need for training. In addition, the first ISB SaaS customer saved close to $300,000 in software and hardware in the first year after subscribing to Smart!World.

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GAINING 30% EFFICIENCY IN WASTE MANAGEMENT WITH IOT APP BUILT ON OUTSYSTEMS

WHY OUTSYSTEMS?

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RESULTS

1

developer needed to create

3

weeks total build time

>30%

logistics savings

JOINING UP THE SUPPLY CHAIN SO TO OPERATIONALIZE IOT DATA, CONNECTING THE FIELD AND THE BACK OFFICE IN REAL-TIME.

CHALLENGE

Fixed collection schedules create two big problems for waste management firms. When they're collected, bins are either overflowing onto the street or they're being picked up empty. Waste management companies are using bin sensors, but the sensors have little or no software integration. Companies can't use the data they collect to increase operational efficiency, which presented an opportunity to fix this problem and change the traditional economics of waste collection.

SOLUTION

Built in OutSystems by a single developer in just three weeks, the BinLogix app analyzes data from bin sensors to give visibility of the fill-level in each bin and predict when they will need collecting.

That means waste management firms can optimize their collection schedules and routes for maximum efficiency—no more turning up to overflowing bins and angry customers or wasting time and money collecting empty bins.

BENEFITS

As well as integrating with the IoT hardware and SAP order management systems, BinLogix combines with two more OutSystems apps developed by ISB Global. Data analysis from BinLogix feeds into RoutiLogix, which creates an optimized collection route.

Drivers are then notified of the updated schedule on a mobile app, DriviLogix, which also lets them give real-time feedback on pickups to accelerate invoicing.

RESULTS

ISB Global's customers report that optimized waste collection schedules are delivering at least a 30% reduction in collections. One waste management firm is now billing over $100,000 a year more using the apps alongside SAP Business One. By capturing the weight of each bin when it's lifted, the firm can invoice for the actual weight collected, rather than the nominal capacity of the bin.

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A PROJECT TO STREAMLINE MULTIPLE SYSTEMS AND PROCESSES FOR OPERATIONAL EXCELLENCE

WHY OUTSYSTEMS?

OutSystems unites design, code, and deployment into a single system that radically simplifies the process of creating business-critical software while keeping it always-on and always up-to-date.

RESULTS

1

centralised portal

5+

systems replaced

GDPR

compliance as standard

MULTIPLE SYSTEMS REPLACED BY ONE LEADING SOLUTION.

CHALLENGE

Imperial College London runs a series of summer schools and cohort programmes to promote Imperial to the most able students worldwide and to support students from under-represented backgrounds in reaching their full potential.

As part of its Operational Excellence agenda, Imperial set out to streamline the multiple systems and processes used to manage the applications.

SOLUTION

Imperial teamed up with ISB Global Smart Solutions to deliver a new system with the aim of improving the application experience and assessment criteria metrics for programmes to widen participation.

It was imperative that the solution enabled the meeting of GDPR compliance requirements in one single solution to replace the multiple processes and systems used.

BENEFITS

Multiple systems have been replaced by one leading solution in OutSystems through an iterative, agile project methodology.

As part of the Operational Excellence agenda, the Imperial College London team now have one centralised portal for applications globally.

RESULTS

“The new functionality has provided a portal where students can track the progress of their application, a series of automated communications throughout the application process, a criteria calculator which Programme Managers can use to assess candidate suitability and a reporting dashboard for our staff.”

Student Recruitment and Outreach Division
Imperial College London

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WHY OUTSYSTEMS?

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RESULTS

1

end-to-end system

SAP

integration

100%

project brief met

END-TO-END OPERATIONS MANAGEMENT SYSTEM WITH WEB-BASED, NATIVE MOBILE APPS.

EXTENDING THE FUNCTIONALITY OF EXISTING LOGISTICS SOLUTIONS WITH ROUTILOGIX & DRIVILOGIX.

CHALLENGE

Ribbex have a strong drive for innovation and equipped their trucks with onboard weighing technology, but these critical data points couldn't be integrated with their existing solution.

The objective of the project was to have an end-to-end operations management system, with strong focus on logistics management and optimisation.

SOLUTION

The solution had to be web-based, complemented with a native mobile app for their drivers. It also had to integrate with the MOBA onboard weighing system.

The new solution needed to integrate to the underlying ERP solution, SAP WR1 and had to be implemented quickly, to avoid issues with legacy systems switch off.

BENEFITS

Ribbex now has an end-to-end operations management system with Web-based, native mobile apps.

This transformation extends the functionality of their existing logistics solutions with RoutiLogix & DriviLogix.

RESULTS

"We quickly established a true partnership and both parties worked together very closely to ensure our new solution met all requirements. The improvements to our business processes have been impressive, thanks to the real-time capability of the system, the process automation and the data capture at source via the driver app."

Ribbex.

INNOVO
PROFITABLE NET ZERO

WHY OUTSYSTEMS?

OutSystems unites design, code, and deployment into a single system that radically simplifies the process of creating business-critical software while keeping it always-on and always up-to-date.

RESULTS

20%

increase in new members every month

40%

increase in traffic in first 3 months

7 WEEKS

brief to live site time

RAPID DEPLOYMENT TIME AND IMMEDIATE BENEFITS TO INNOVO AND CUSTOMERS.

A WEBSITE THAT ENABLED INNOVO TO OPEN ITS PORTAL TO AN UNLIMITED NUMBER OF POTENTIAL PLAYERS.

CHALLENGE

INNOVO is an innovative B2B commerce platform that enables members to keep and share additional savings, acquire new customers, reduce sales & marketing costs, and monetize wasted spare capacity, all the while giving back to good causes.

INNOVO needed a platform that was tried, tested & able to cope with their unique needs. A prototype site had been created but developing this into a viable commercial proposition, with the security, complex reporting & financial processing required was proving a challenge.

SOLUTION

A key functionality requirement of the site was to track and calculate the multi-layer share of savings payments to members.

With a fast-growing membership, the possible permutations of the INNBATE scheme require calculating power far beyond the capability of most off-the-shelf web platforms.

BENEFITS

ISB Smart Solutions created the 1st fully functioning live version of the site in just 7 weeks.

This new, custom engineered website enabled INNOVO to open their portal to an unlimited number of potential players while maintaining security of information, speed of reporting and accuracy of financial calculations.

RESULTS

The rewards are already being reaped and in-fact, buyer companies registered on INNOVO have already attracted suppliers with a total revenue of over $35 Bn to contract an average total share of savings (INNBATEs) of more than 15%.

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Contact Details

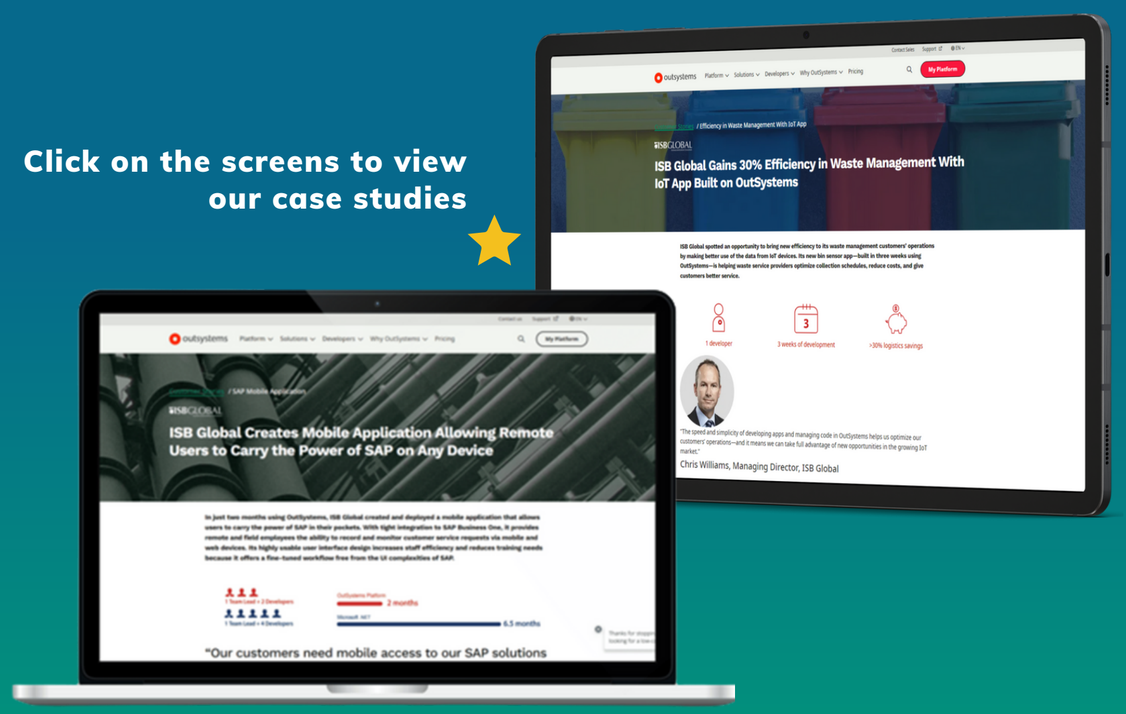
Phone
+44 (0)20-8232-8884

Email
info@isb-global.com

Website
www.isb-smartsolutions.com

OutSystems
Free Demo

Click on the screens to view our case studies



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