

# Design. Develop. Scale. Expertly

**2000**

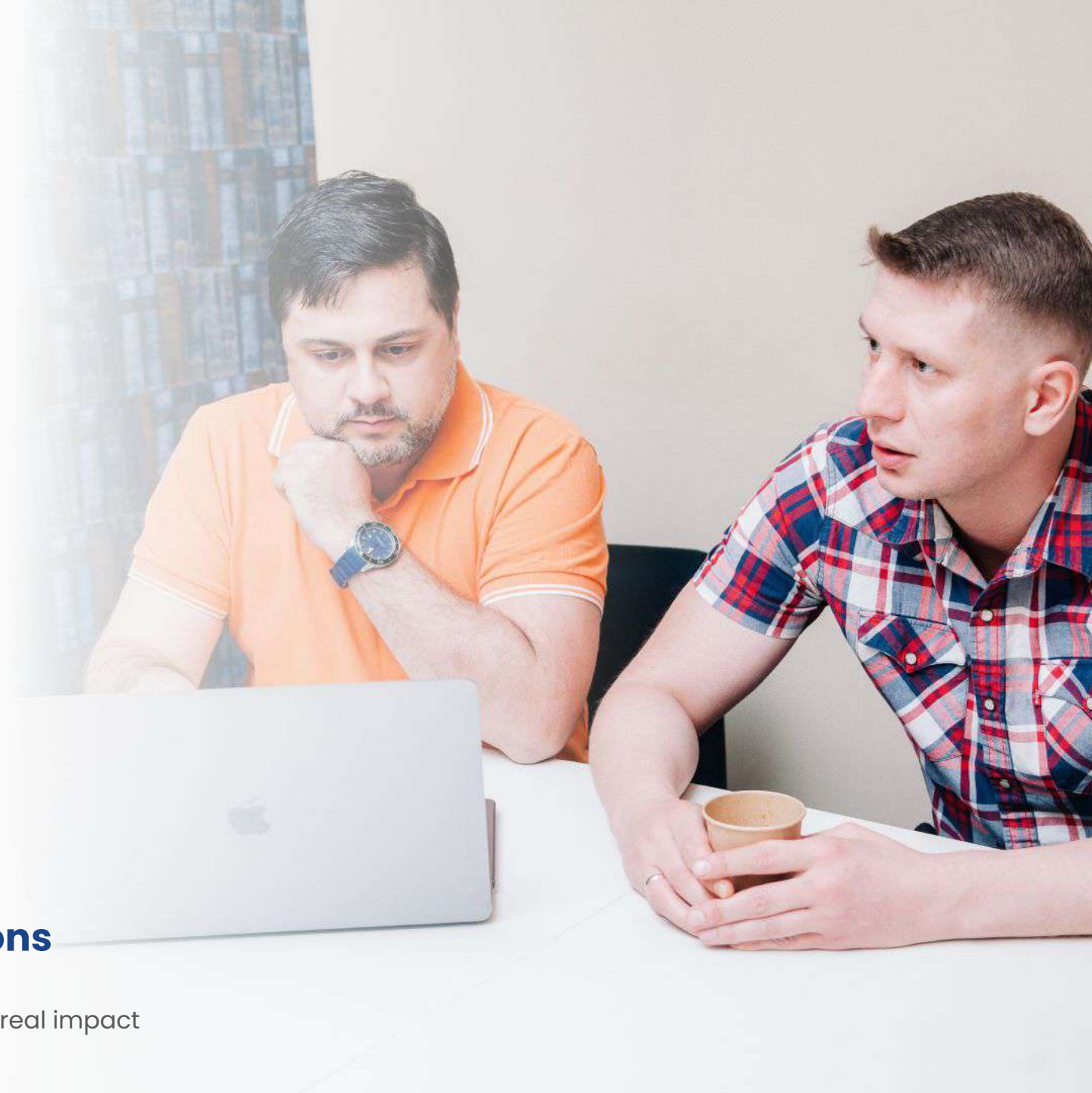
—  
established in

**250+**

—  
successful projects

**Solutions**

—  
that make real impact





# Integrio at a Glance

**10%**

Of people with PhD in Mathematics,  
Co-founder with a Math degree

**45**

AI projects delivered

**70**

Employees

**95%**

Customer retention rate

**8 years**

Average partnership duration

**25 years**

in business

*“At Integrio Systems, we’re more than just a software development company. We’re a vibrant community of tech enthusiasts, innovators, and visionaries.”*

02.

# Services

- Software design and development
- In-depth Business Analysis
- UI/UX Design
- Project Management
- Quality Assurance & Testing
- Support and Maintenance

01.

# Expertise

- Web Applications of Any Scale & Complexity
- SaaS Product Development
- Startup Product Development and Scaling
- Enterprise Software Development
- Highly Innovative AI & Machine Learning Solutions
- Legacy System Modernization

# Industries

- Manufacturing
- Aviation and Transportation
- Healthcare
- Travel and Hospitality
- Real Estate
- Telecommunications
- Retail
- Digital Marketing

03.

## Case Study. Air Canada Cargo.

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### Website

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Aircanada.com

### Duration

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2014 - ongoing

Air Canada's cargo booking portal used by company's enterprise customers to book, track and manage their cargo shipments.



## Technologies

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Tomcat



Java



Maven



Spring MVC



Hibernate



PostgreSQL



Bootstrap

**Case Study.** Air Canada Cargo.

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## »»» The Solution

Integrio Systems created a modern user portal allowing Air Canada's customers ship their commodities online and track the shipments in real time. New interface also allowed company retrieve valuable data and convert it into actions - administrators gained access to analytics dashboard which helped them see more opportunities for business growth and react to them on time. The backend of the portal was built to smoothly interact with company's legacy logistics system.

## »»» The Client

Over 40% of Air Canada Cargo customers opted in to switch to the new platform over other channels (legacy systems, phone, email, etc.) Improved online experience allowed company become more data-driven and retain leadership in the market.



## Case Study. Synnovis.

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### Website

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Synnovis.co.uk

### Duration

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Feb 2023 - ongoing

Synnovis, a leading pathology provider for the UK's NHS, delivers timely and cost-effective testing services, essential for 95% of clinical diagnostics. Facing growing demand for advanced healthcare data analysis, Synnovis sought a trusted development partner to optimize operations and meet rising clinical needs.



“  
Scientific  
organization with  
a clinical purpose

## »»» The Background

Despite best efforts, challenges like inappropriate test ordering, duplicated requests, and missed diagnoses have become more frequent.

To solve these issues, Synnovis aimed to integrate **Artificial Intelligence (AI)** into their computerized physician order entry (CPOE) systems. The goal was to:

- Identify unnecessary and duplicated tests
- Forecast demand for testing per area (LSOA) and predict disease risks
- Optimize clinical decision support using AI.

Lacking sufficient medical datasets required to train AI models, Synnovis collaborated with **King's College London (KCL)** to acquire the necessary data, where one of **Integrio's** Data Science specialists became a **visiting fellow** to assist in securing and processing the data. This collaboration became a pivotal point in the project's success.



## »»» Solution

Integrio Systems designed and implemented AI-driven pathology test optimization solutions, focusing on the following key areas:

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### 01 AI-Driven Test Recommendations:

- Analyzed historical data, clinical guidelines, and peer reviews to identify unnecessary, duplicated, and missing tests.
- Integrated AI into CPOE systems to provide evidence-based test ordering advice.

### 02 Forecasting Pathology Tests and Disease Risks:

- Developed models to forecast patient pathology test needs, anticipating trends based on clinical data.
- Implemented AI to predict high-risk conditions such as **pre-diabetes and diabetes** by analyzing symptoms and test results, enabling earlier intervention and risk reduction.

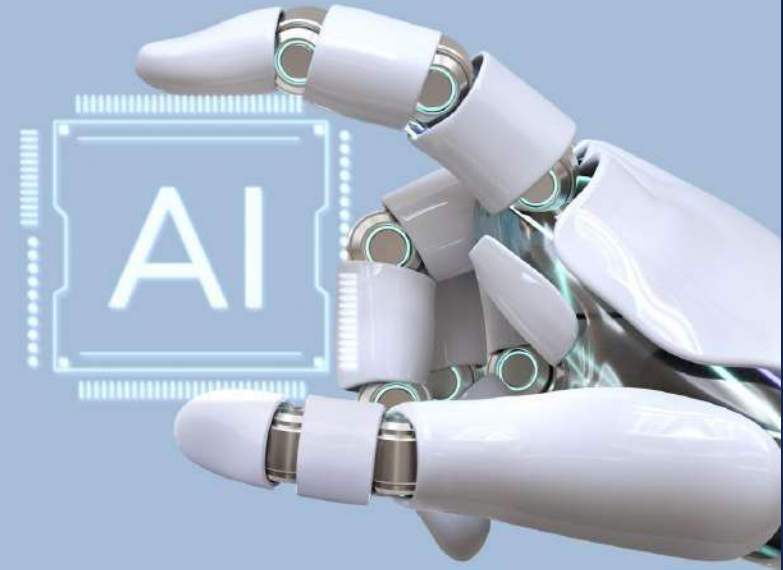
### 03 Process and Data Collaboration:

- Partnered with KCL to secure and structure medical datasets, ensuring AI models were trained on accurate and diverse patient records.

## ▶▶▶ Results

The implementation of Integrio's AI-powered solutions delivered significant improvements in test accuracy, efficiency, and disease prediction:

- Optimized pathology test ordering behavior.
- Reduced operational inefficiencies and clinician workload.
- Forecasted patient test needs and disease risks with high accuracy.
- Strengthened collaboration between Synnovis, KCL, and Integrio Systems.



# ONE Record Initiative

In July 2019 Integrio Systems joined Air Canada team for ONE Record hackathon. As a result of this cooperation Air Canada team powered by Integrio was selected to continue working on the initiative. Integrio Team takes part in:

- 01** Security architecture design and development
- 02** Data exchange architecture design and development
- 03** Pilot project development and implementation



*“ We can help your business ”*

**Case Study.** Cascade Strategies: Bionimbus.



**Website**

Cascadestrategies.com

**Duration**

2014 - 2015

Cascade Strategies' solution called Bionimbus is designed to utilize biometric data analytics in order to bring understanding of consumer decision making process to a whole new level.



**Technologies**



Java



Postgre SQL



Bootstrap



jQuery



HTML5

**Case Study.** Cascade Strategies: Bionimbus.

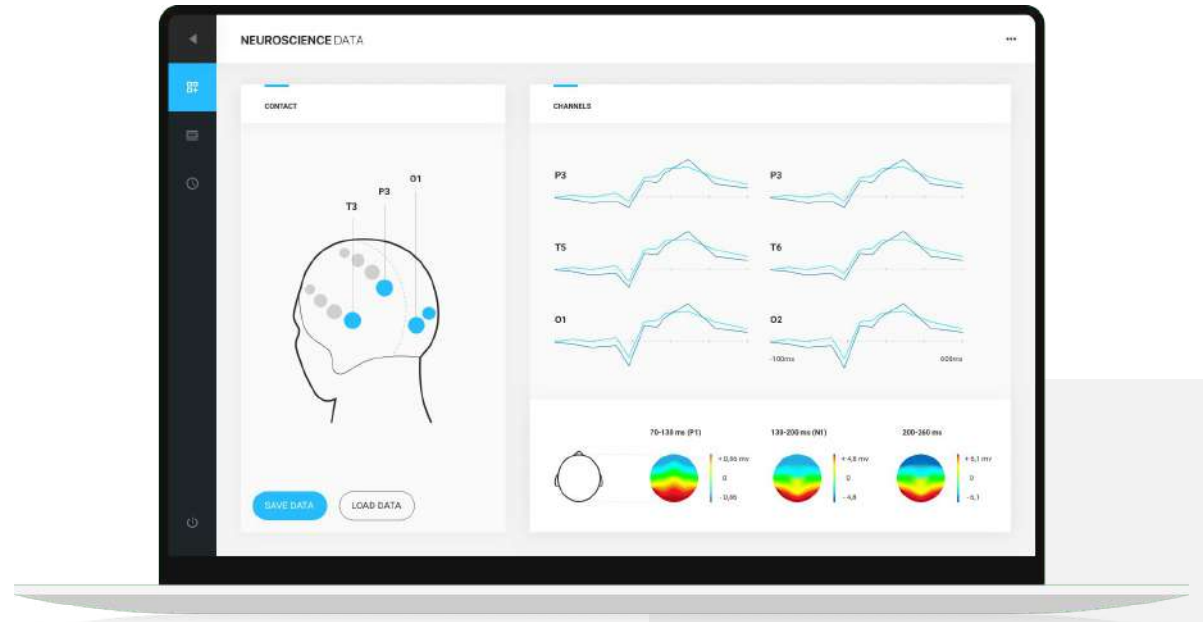
# CASCADE STRATEGIES

## »»» The Client

Cascade Strategies is a highly innovative, market research and consulting firm with over 24 years' experience in the field.

## »»» The Background

In 2014 Cascade Strategies were looking for a partner to support their R&D efforts. They were building a biometrical data analytics solution to innovate qualitative research for CPG industry.



**Case Study.** Cascade Strategies: Bionimbus.

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## »»» The Solution

Cascade Strategies developed a methodology to track consumer emotional excitement and research the factors that drive purchase. The research participants were brought into VR environments where they could see and interact with different types of product packages. The following data was collected during the process:

- 01** Eye tracking data - to understand which areas of the package attracted more attention
- 02** Data exchange architecture design and development
- 03** GSP data - to track emotional excitement



**VR**

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**technologies**

**Case Study.** Cascade Strategies: Bionimbus.

**Results**

Integrio continues working on the application for Expedia. Expedia is satisfied with the efficiency of the developed solution. The company is planning to apply the methodology developed for their partner marketing in the other aspects of their business e.g. HR.



*“ Solutions that make real impact ”*

**Case Study.** CAStack.

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## »»» The Client

CAStack - a revolutionary who pioneered orthodontics optimization.

## »»» The Background

With the rapid emergence of 3D printing in the dental field, the capabilities of applications to dentistry has exploded. Doctors have used the technology to provide models, retainers, in office aligners, and other dental appliances. 3D printing has provided doctors with the flexibility they have never had before. Although these exciting technologies are very liberating to doctors, one daunting task of integration into the office is the need for a fully customizable, detailed manner to track and monitor each step of the process.

Integrio goal was to build a cunning solution to help users manage every step in the process of clear aligner fabrication and to relieve the stress and frustration caused by disorganization and lack of detailed tracking.

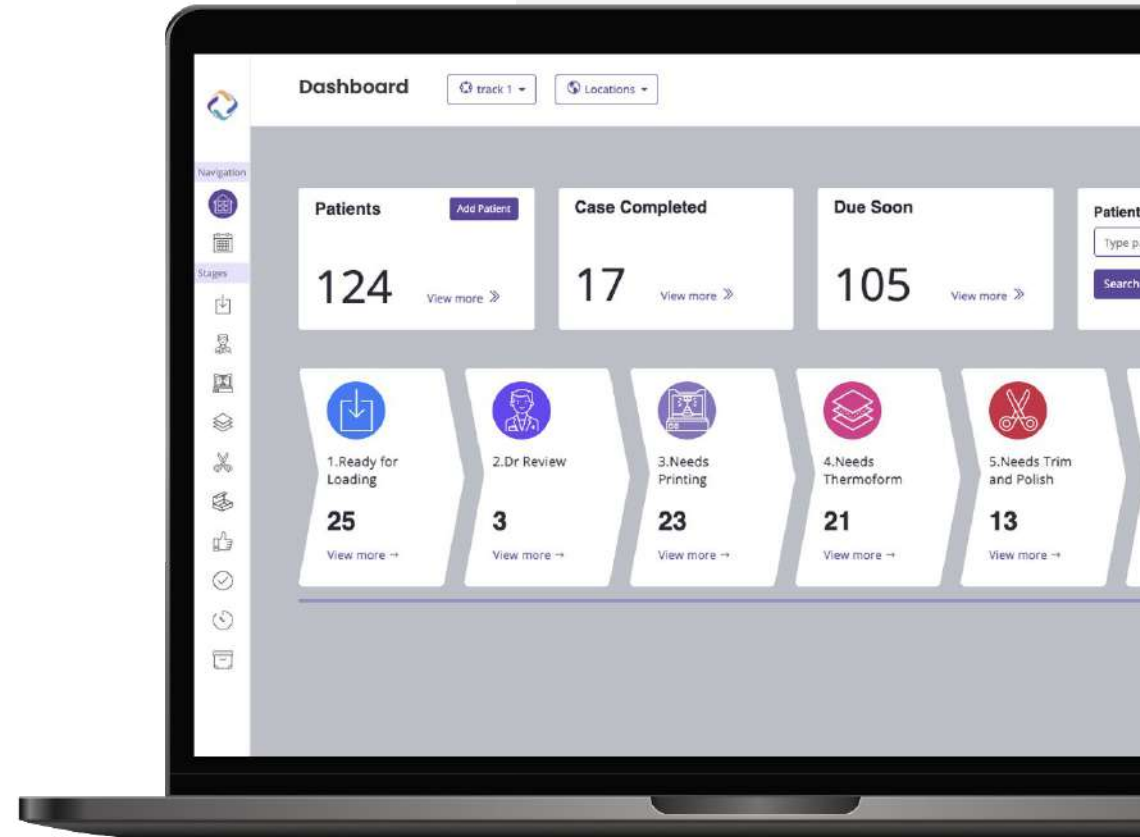


## Case Study. CAStack.

### »»» The Solution

We've built an ERP system from scratch for orthodontic clinics that help doctors keep a track of printing aligners' and other devices' production cycles for individual patients.

## Technologies



## »»» Features

- 01** Aligner production pipelines that can be customized by the user in settings; more than 1 pipeline can be created within a single company account.
- 02** Patient records that allow recording different data of the patients and their treatment, including aligner sets and individual aligners with 3d printing production stages, reprints, and dates when the reprints were made. The patient record contains multiple selector drop downs values in which can be created and customized in settings.
- 03** Ability to create aligners' materials and assign costs to them and track the overall production costs in the analytics both at the company level and at an individual level.



“ We align our services with your business goals

**Case Study.** CAStack.

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## »»» Features

- 04** Calendar that allows tracking production cycle due dates
- 05** User activity logs to track all the actions taken by the users and user management
- 06** Payment gateway integration to enable the SaaS mode
- 07** Two-factor authentication
- 08** Signing up workflow



“ Focus on delivering a quality products

## Case Study. Expedia.

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### Website

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Expedia.com

### Duration

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2019 - ongoing

AI solution for Expedia that retrieves and analyzes the behavior data of company's hotel partner ecosystem members. The application is created to boost partner retention, optimize and automate company's partner marketing operations and sustain partner ecosystem growth.



### Technologies

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Java



Python



Angular



Aurora DB



AWS

# ABOUT EXPEDIA

## »»» The Client

Expedia is headquartered in Seattle, Washington. They provide one of the most popular booking services globally.

## »»» The Background

In 2019 Expedia was looking for a partner to support their innovation initiative - the company was planning to begin utilizing AI to improve their partner relationship.



**Case Study.** Expedia.

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## »»» The Solution

Integrio Systems utilized machine learning / AI techniques (including Bayesian analysis) to process historical data and divide Expedia's partners into several groups - psychological types.

After that a recommendation engine was created. It is aimed at providing company managers with ready-to-use recommendations on outreach methods that are used to reach out to Expedia's hotel partners via email and banner ads on Expedia's partner portal.

The main KPI applied is return on investment which helps company continuously improve the indicator and forecast ROI on their partner marketing activities more accurately.

The recommendations provided by the application are specific for partners' psychology types and geography.



**Case Study.** Expedia.

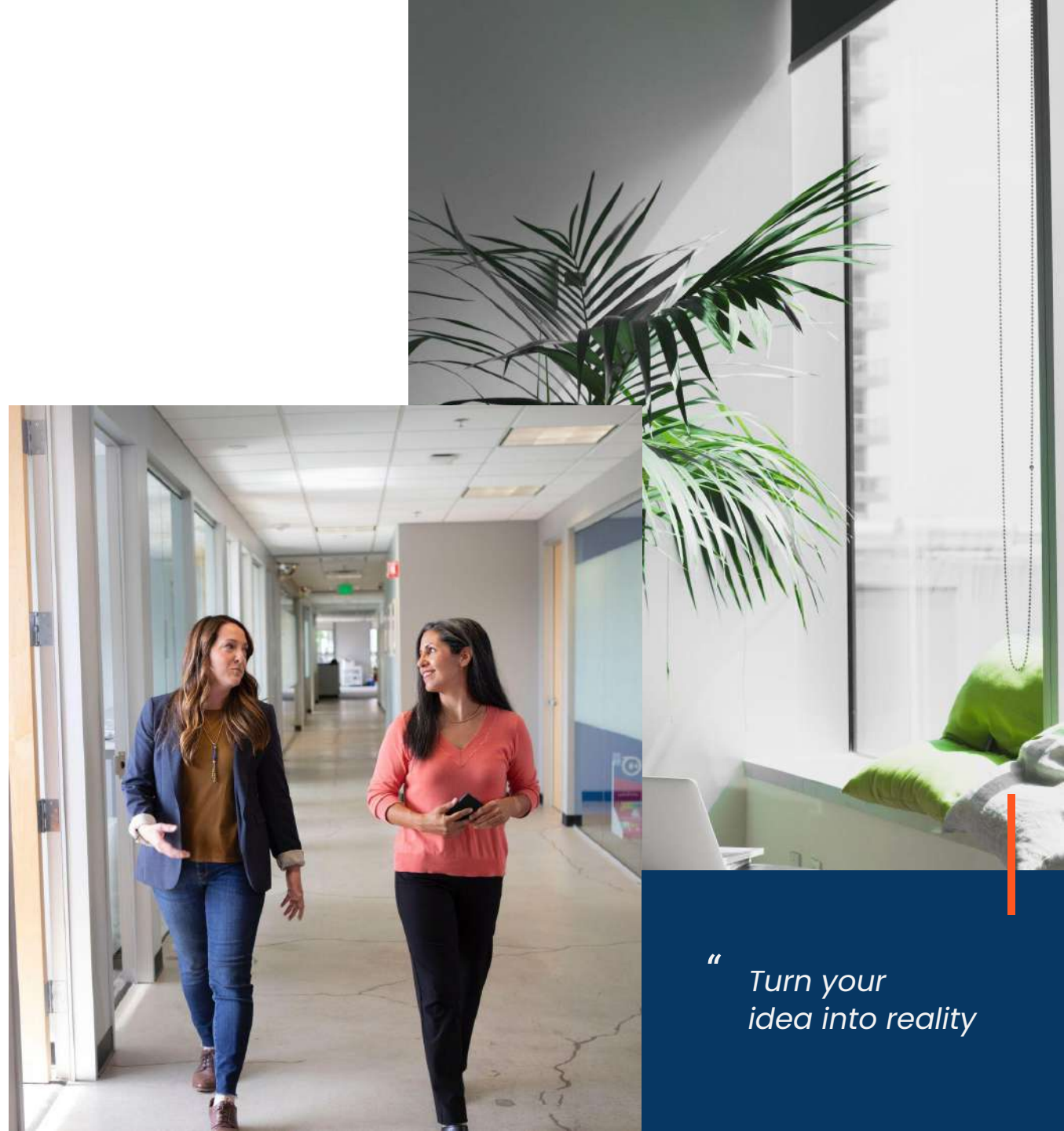
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## »»» The Solution

Integrio created a data analytics engine to classify the data retrieved and provide Cascade with predictive insights based on the results of experiments that were held. Integrio worked closely with Cascade Strategies to improve the mathematical algorithms applied and make the predictions more accurate.

## »»» Results

As a result, clients of Cascade Strategies enjoyed using Bionimbus to grow their sales. Among the companies that enhance their marketing strategies with BioNimbus there are such distinguished brands like Kellogg's, Mars, HP, Microsoft, Nike, Disney and more.



“ Turn your  
idea into reality

## Case Study. Cam Tran.



### Website

Camtran.com

### Duration

2012 - ongoing

Jive is an innovative enterprise-level solution that was initiated as a work instruction application and later became a comprehensive ERP system. The solution was designed and developed for a leading Canadian manufacturer of oil filled distribution transformers, Cam Tran.



## Technologies



Java



Python



React JS



Postgre SQL

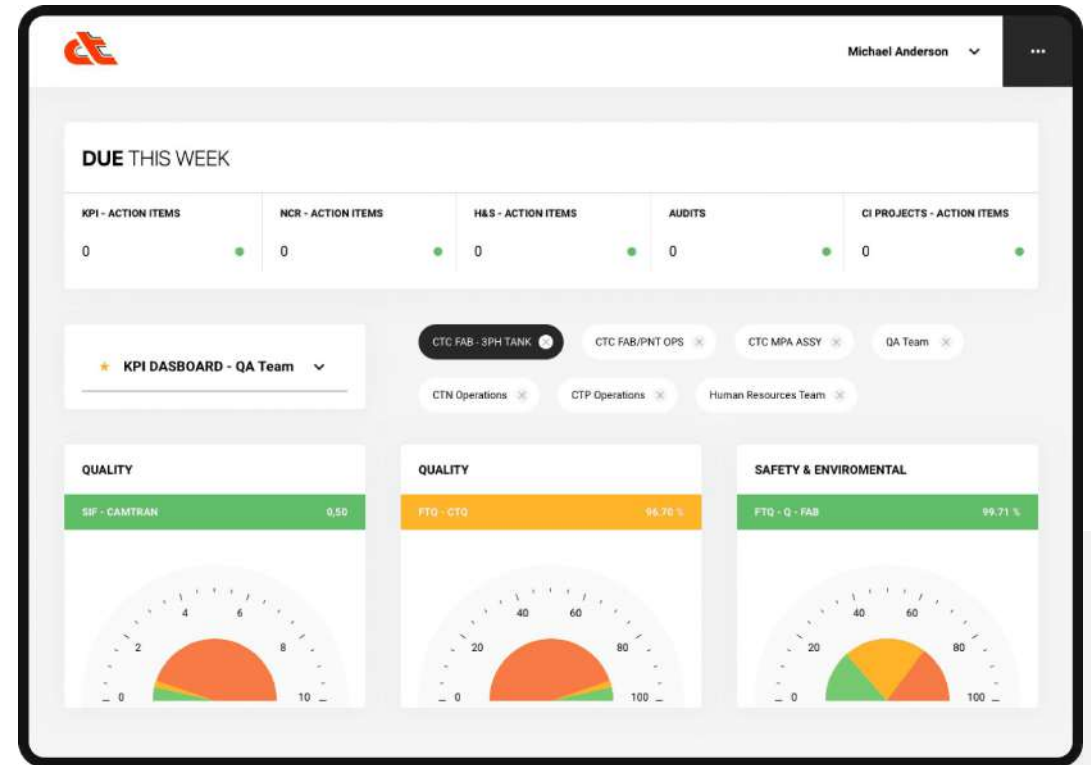
## Case Study. Cam Tran.

### »»» The Solution

Integro Systems won the tender and created Jive. The application functionality includes but not limited to: multi-department production management, project and issue management, instant access to KPIs, NCRs, jobs management including checklists, specifications and drawings, internal audits functionality and more.

### »»» Results

Adopting Jive has become an important milestone on Cam Tran's path towards enterprise digitalization. Currently Integro develops Jive further. One of the new modules is Jolt, an innovative QA product.

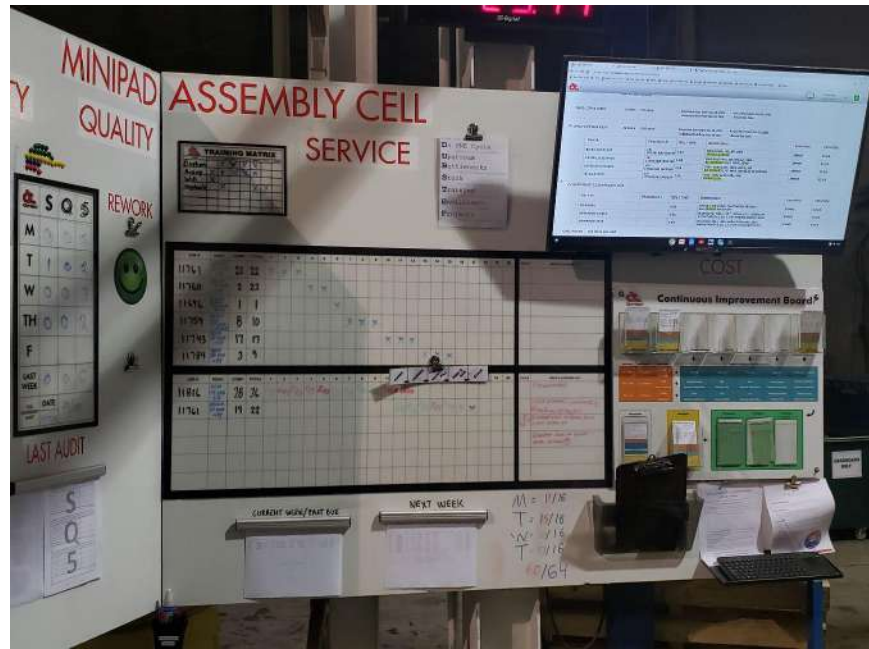


Jive has become more than just an application. It has become a competitive advantage for the company. In 2019 Cam Tran maintained a partnership with BC Hydro, a Canadian national utilities company. Before concluding the deal, Cam Tran underwent a comprehensive audit by BC Hydro. Here is what the auditor said about Jive:



"  
*NCR process was set to automatically*

## THE FEEDBACK



"Jive was noted to be intuitive and could be described as best in class, based on the auditors' experience. The main point to note was that the Cam Tran NCR process was set to automatically trend NCR's raised. This is somewhat unusual and unique in the auditors' experience. The Cam Tran main work control programme in use within the Sackville (and elsewhere in Cam Tran), which is a part of 'Jive', was worthy of special mention. This programme was noted to be easy to use and provided a solid process for work control and providing demonstrable evidence of production control."

## Case Study. Jonas Software.



### Website

Jonassoftware.com

### Duration

2017- ongoing

Jonas Software Jonas Software (a part of Constellation Software, Canadian second largest IT company TSE: CSU with a market cap of over 27B) is a leading Canadian provider of enterprise management software products to the Club, Foodservice, Construction, Leisure Fitness & Sports, Attractions, Metal Service Centers, Moving & Storage, Education, Radiology/Laboratory Information Systems, Salon & Spa and Consumer Product Licensing industries.. Within these vertical markets, Jonas operates over 80 independently managed software companies around the world all of which are respected and longstanding leaders within their own domain. The company is headquartered in Toronto.



# SaaS

products

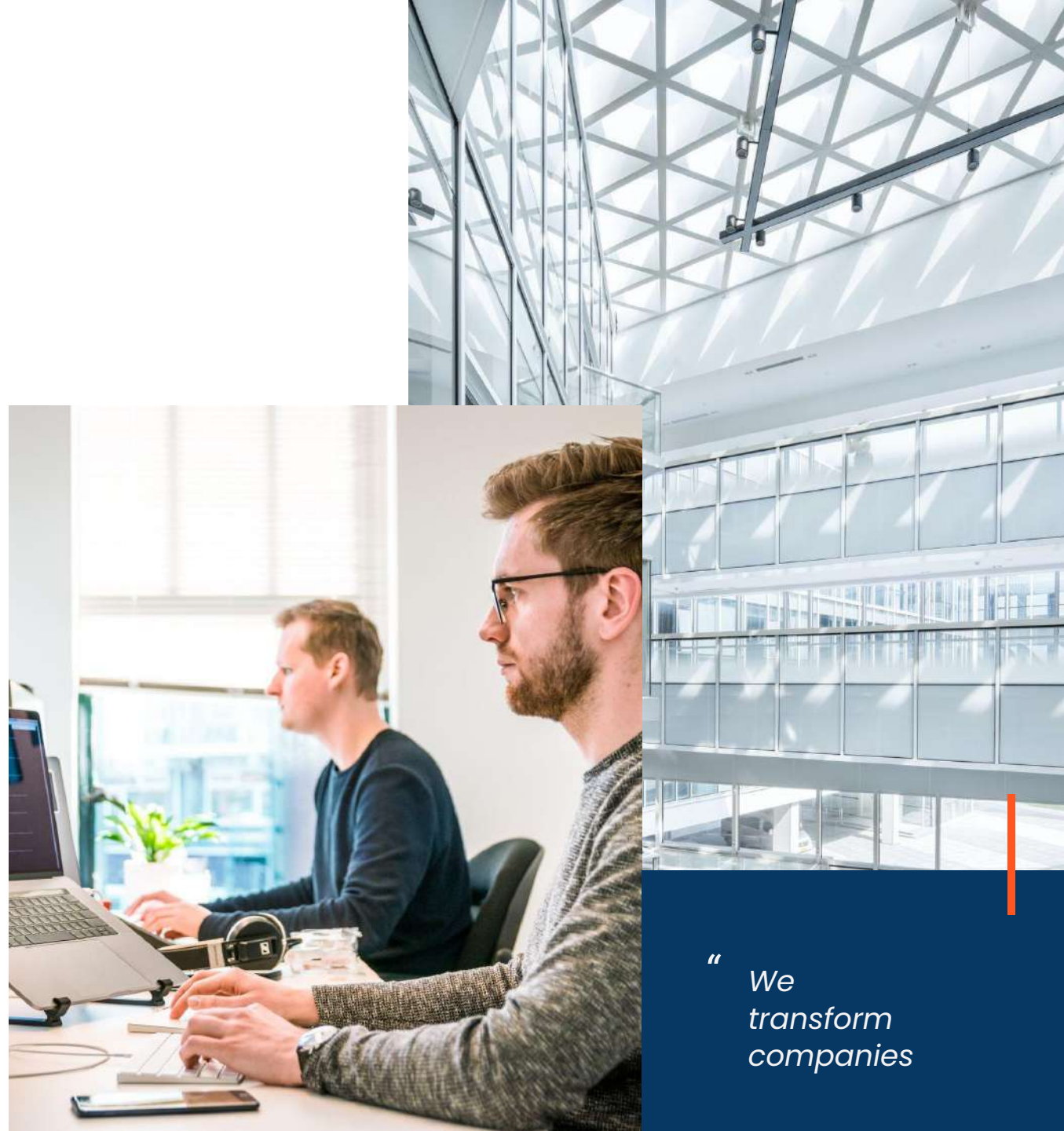
**Case Study.** Jonas Software.

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## »»» The Solution

In 2012 Jonas Software was looking for a partner to support software development initiatives all across their portfolio. The expected outcome of the partnership was faster scalability of software development resources, improvement in cost-effectiveness and the ability to engage remote developers for a long term. Integrio Systems has become a key partner of Jonas Software.

Dedicated developers of Integrio Systems has been working on numerous projects under Jonas umbrella, including **Member Solutions, 123Signup, MiGym, EzFacility, SignMeUp, Efit Financial.** Strategic outsourcing services provided by Integrio helped Jonas maintain stable and fast access to cost-effective dedicated development resources with unique skills. It helped the company maintain and consolidate leadership in numerous software product niches.



“ We transform companies ”

# THE FEEDBACK

**Ann Murphy**, General manager at 123SignUp

(visit [Integrio page at Clutch.co](#) to read the full reference)

“They came in, got a handle on the existing products and code, and then very quickly developed a roadmap for us to upgrade the system again. They really saved us from a development point of view.”



## Case Study. Mobiry.

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### Website

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Mobiry.com

### Duration

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2017- ongoing

Mobiry's proprietary AI omnichannel solution learns and analyzes the unique behaviour of consumers to deliver personalized offers for the brands, products and services they want to buy most, at a time most likely to drive a purchase.



## Technologies

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Java



Python



Angular



Kubernetes



Docker

# ABOUT MOBIRY

## »»» The Client

Mobiry is a San Francisco-based software company focused on empowering consumer loyalty with AI solutions.

## »»» The Situation

In 2017 Mobiry partnered with Integrio Systems to optimize their R&D resources and developed an AI engine tailored for the needs of their solution for retail & restaurant businesses. .



## Case Study. Mobiry.

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### »»» The Solution

Integrio Systems used advanced machine learning techniques to create an engine that helps Mobiry's clients automatically retrieve and use POS data to predict consumer behavior, evaluate potential of different deals and target end consumers with offers they actually want.

### »»» Results

As a result, Mobiry entered global market with an industry leading SaaS product that helps retail businesses sell more and increase profits.



“ Broad  
knowledge base

# Tech Stack



# Let's work together!



## Custom-first approach

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We work closely with our customers in order to build cost-effective solutions fully tailored to their needs.

## Motivated developers

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We invest into training and retaining our employees which helps keep the talent within the company and deliver great results.

## Transparency

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We provide our customers with full awareness of what is going on at all the stages of our cooperation from the very beginning.