Bluesquare

PEOPLE
TECH
IMPACT

Bluesquare Group Presentation

Consulting & engineering: AI, data and custom software

CONSULTING | DEVELOPMENT | ENTREPRENEURSHIP



October 2026

Bluesquare

Since 2014, we have been designing, building and running **custom software** at the core of our clients' business.

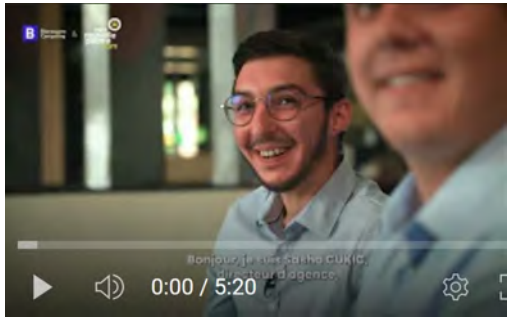
Today, we help them **unlock the value of their data** and **put AI into production**: inside their processes, under their control.

As a consulting and engineering group, we bring together a team of passionate experts with technical backgrounds and an entrepreneurial spirit to support your business goals.

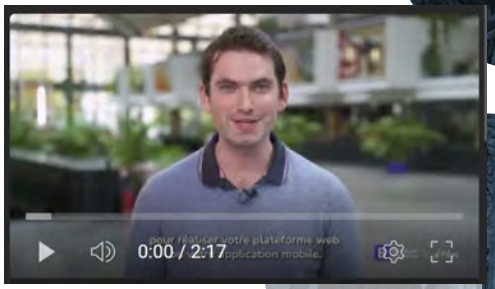


How we help our clients launch

successful projects



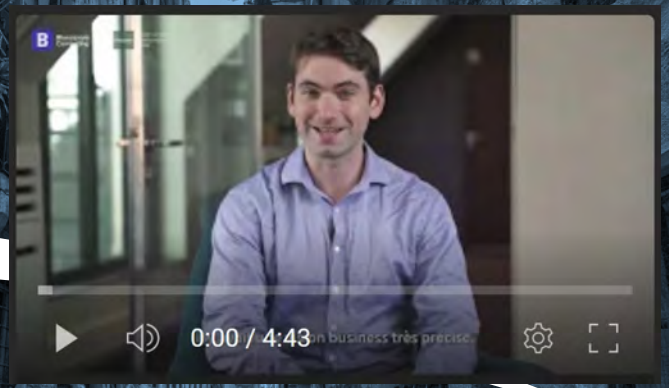
Our support for manouvellepiscine.com
https://youtu.be/9umMVQZDxek



From no-code MVP to premium custom-made with our client “Piloc”
https://youtu.be/wh6sKGZnxHk



How we empower the Matfer Bourgeat industrial conglomerate to succeed in their digital transformation
https://youtu.be/EwgIK-T3JOU



The Fincome success story in 4 minutes
https://youtu.be/WbjIDvHK0MU

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01
BLUESQUARE GROUP

Bluesquare Group

CONSULTING - DEVELOPMENT - ENTREPRENEURSHIP

We help companies of all sizes and sectors **create value with technology**: custom software, **unlocking the value of data** and **embedding AI at the core of their operations**.

Our teams combine **senior full-stack developers**, all on permanent contracts and based in France and a solid **experience in consulting and entrepreneurship**. One goal: **understand our clients' challenges** and **deliver solutions in production** that are robust, secure and with measurable results.

30+ MAJOR GROUPS AND SMES INVESTMENT FUNDS SUPPORTED

40+ STARTUPS SUPPORTED

100+ COMPLETED PROJECTS

1M+ UNIQUE VISITORS ON OUR PLATFORMS



Bluesquare Group

OUR 3 PILLARS

- CONSULTING -

We help executives and investors **decide and prioritise**: digital and AI roadmap, **data and AI governance**, architecture choices.

Alongside **Private Equity and Venture Capital funds**, we carry out clear, precise and **actionable tech & AI due diligence** in a transactional context.

We help our clients **internalise key skills** by recruiting and training the best profiles.

- DEVELOPMENT -

We implement our own recommendations: **web platforms, mobile applications, data pipelines and AI agents**, fully **custom-built, without outsourcing**.

We support our clients through **go-live** and beyond: operations, monitoring and continuous improvement.

- ENTREPRENEURSHIP -

Entrepreneurs and company founders first and foremost, we share the DNA of our clients, with whom we forge **long-term partnerships** that go beyond the projects we contribute to.

With our teams, we also apply our know-how and technical expertise to **create our own companies and proprietary technical assets**.



Bluesquare Group

OUR OFFER: FROM DATA TO VALUE

We put **AI into production**: on your data, in your processes, under your control.

01 AI STRATEGY & GOVERNANCE

- Data & AI maturity assessment
- Use cases prioritised by ROI
- Usage policy, “shadow AI” control
- Choice of models and hosting

→ An AI roadmap shared by leadership

02 DATA: FOUNDATIONS & VALUE

- Mapping and quality of your data assets
- Breaking down legacy silos (ERP, IBMi, Access…)
- Master data, dashboards, data products
- New sales channels and revenue streams

→ Reliable, usable and valuable data

03 AI & OPERATIONAL EXCELLENCE

- AI agents embedded in business processes (order management, back-office, customer service)
- RAG assistants on your internal documents
- Document automation
- Evaluations, human oversight, cost control

→ Measured productivity gains, in production

04 CUSTOM PLATFORMS & APPLICATIONS

- Web platforms, SaaS, marketplaces, business tools
- iOS & Android mobile apps
- Connected to your IT (ERP, IBMi, AD, payments…)
- Modernisation of legacy applications
- 100% client-owned code

→ Applications that integrate seamlessly into your digital ecosystem

OUR COMMITMENTS

Data sovereignty | **Interchangeable models** | **Human oversight** | **Measured ROI in production**

Bluesquare Group

CROSS-FUNCTIONAL EXPERTISE

EX

FRACTIONAL CTO & CHIEF AI OFFICER

From targeted support to full outsourcing of technical functions: roadmap, architecture, tech team structuring and AI roadmap leadership, with regular, ongoing follow-up.

DD

TECH & AI DUE DILIGENCE FOR INVESTORS

Deal-oriented buy-side audits: code and architecture review, team, technical debt, **data & AI maturity**. Then **value creation plans** driven by data and AI across portfolio companies.

TR

AI TRAINING & ADOPTION

Executive awareness, team training on generative AI use cases and change management: AI that is **adopted day to day**, used with confidence within a controlled framework.

MH

MANAGED HOSTING

Beyond the application layer, we manage a robust, scalable hosting infrastructure for your mission-critical applications.

LLMOps: deployment, monitoring and cost control of your AI models in production.

Bluesquare Group

OUR AI IMPLEMENTATION FRAMEWORK

Useful AI is AI that is measured, secure and adopted.

From use case to production, we deploy AI within a governance framework that protects your data, your teams and your value.

FROM USE CASE TO PRODUCTION

- 01 Scope
- 02 Prototype
- 03 Measure
- 04 Scale up

1	**Data**	Quality, access and traceability of source data planned from the design stage
2	**Sovereignty & security**	Controlled hosting (EU or on-premise), interchangeable models, no vendor lock-in.
3	**Human oversight**	AI assists, humans decide: systematic validation of high-stakes decisions.
4	**Measurement & performance**	Quality and reliability evaluations, tracking of costs and business KPIs in production.
5	**Compliance & adoption**	Usage policy, use-case register, team training.

Bluesquare Group

SUPPORT AT EVERY STAGE

1. Prepare
2. Develop
3. Deploy
4. Internalize



Bluesquare Group

SUPPORT AT EVERY STAGE

	1 Prepare	2 Develop
YOUR GOALS	■ Identify your **strategic challenges**. ■ Prioritize your projects. ■ **Unite** around your data & AI projects.	■ Ensure that the code is scalable. ■ **Maintain your** future **independence** from the service provider. ■ Monitoring and **meeting deadlines**.
OUR DIFFERENTIATING APPROACH	■ **Together, we structure your digital and AI roadmap**: sequencing projects to make them scalable, integrated and consistent with measurable & impactful results, identifying *quick-wins* and technical constraints.	■ Beforehand, we'll suggest possible alternatives to **guide** you **in your choice of architecture**. ■ While the project is underway, our agile and reassuring methodology guides you, enabling you to monitor the progress of the work.

Bluesquare Group

SUPPORT AT EVERY STAGE

	3 Deploy	4 Internalize
YOUR GOALS	■ Ensure **adoption of the tool by all players**, both internal (change management) and external (customer promotion).	■ **Recruit and train** the technical and AI skills needed to turn your digital project into a sustainable competitive advantage.
OUR DIFFERENTIATING APPROACH	■ In addition to delivering a product that meets your specifications, our aim is to work with you to ensure the success of your project. ■ During the deployment phase, Bluesquare coaches your administrators to ensure adoption and compliance with the tool's "Best Practices".	■ To **ensure your digital independence** and "crystallize" this value, we support you in recruiting and training your future CTO and structuring his or her in-house technical team.

Bluesquare Group

A HIGH DEGREE OF INDEPENDENCE AND MONITORING QUALITY

A UNIQUE PRODUCT, MADE-TO-MEASURE

- Consulting is an essential part of our positioning to ensure the success of your project.
- All our developments are tailor-made: from definition of specifications to production launch.

CONTROLLED TIMING

- Our "integrated" methodology speeds up the project's time-to-market, while guaranteeing total control over product quality and compliance with specifications.
- An experienced team will be your contact throughout the project, supported by a team of seasoned developers during the deployment phases.

YOUR INTEGRATED TEAMS

- We work hand in hand with your teams right from the site survey and specification design phases.
- Adoption by all users on a daily basis is the key to success, and we take this into account at every stage of the project, from conception to completion and deployment.
- Once the project has been finalized, we can help you manage the change with your teams (demonstration, end-user training, technical support for the *Product Owner, etc.*).

YOUR INDEPENDENCE - GUARANTEED

- Our technological choices guarantee independence from the languages you use, and make it easier to maintain and upgrade your code in the future.
- 100% of the technical identifiers required for the project are centralized and made available to you.
- The code is annotated for easy re-use and further development.
- Once your project has been finalized, we can offer you an upgrade + maintenance package to support you in the next stages of your digital strategy.

Bluesquare Group

ENTREPRENEURS FIRST AND FOREMOST: OUR SUBSIDIARIES

Halfway between entrepreneurship and salaried employment, our unique HR model unites our employees around a common project: to develop excellent know-how, put it to work for our agency clients and apply cutting-edge **technology and high technical standards** to the innovative companies we create.

Bluesquare Computing
ブルースクエアジャパン

Founded in 2022, **Bluesquare Japan** brings the full range of Bluesquare group services to our Japanese customers. With the support of the full-stack team based in France and a local presence, our newest subsidiary meets the highest international standards for entrepreneurs and start-ups in Japan.

.OSS

Created in 2019, Online Scaling Solutions is the Bluesquare Group's R&D laboratory where we create our own technological assets on critical, high-stakes technologies over long development and financing cycles (5 to 10 years).

SAÏ
BORN TO CRAFT

Founded in 2026, Saï Intelligence brings together two complementary areas of expertise: thirty years of consulting to the food trades (Saï Management) and the technological know-how of the Bluesquare group. Focused on the food service value chain: manufacturers, distributors, networks and professionals, it fills the gaps left by ageing information systems and operates its own B2B marketplace, Saï Chefs, giving clients access to new sales channels and control over their data.
(→ https://sai-intelligence.fr/)

Boost
(exited in Aug. 2026)

Founded in 2020, Boost has positioned itself in just a few months as the French leader in SaaS digital communication solutions for pharmacies. Today, the company is entirely independent, and has managed to structure all its teams in-house: journalists, IT developers, sales...



02
OUR TEAM

Our team



OUR VALUES

TECHNICAL EXPERTISE

- Our growth is controlled: we only recruit **senior full-stack developers based in France on permanent contracts**.
- We develop **modern, robust and durable technologies**.
- Our methodology is the fruit of **constant R&D work** and a culture of continuous improvement, guaranteeing the technical excellence of our teams.

COMMITMENT

- The pleasure of coding complex projects to create **fluid, easy-to-use products**.
- The pleasure of seeing our products in daily use all over the world.
- The pleasure of **sharing our respective expertise** with each customer.

AGILITY

- One obligation: results. Our technical team understands your business and your strategy, and accelerates your *go-to-market* through a highly integrated approach.
- Our agile methodology guarantees **smooth project management** and regular milestones.
- We are and think above all like **entrepreneurs**.

Our team

AN EXPERIENCED AND HIGHLY COMMITTED MANAGEMENT TEAM



Michel Jautzy
Founder

A graduate of Ecole Polytechnique, Michel has supported over 100 clients on delivering the best value for their web, data and mobile app projects as well as in the planning of their digital strategy.



Maxime Renou
President & CTO

A full-stack developer and system administrator, Maxime assumes technical responsibility for Bluesquare developers as CTO. He works tirelessly to ensure that best development practices are applied to our projects.



Daniel Jautzy
General Manager

An engineer by training, Daniel joined Bluesquare following a 10-year career in investment banking / M&A consulting.
He brings his "corporate" vision of digital issues and supports our customers in the development of their projects with Bluesquare.

Our team



MICHEL JAUTZY
FOUNDER

PROFESSIONAL EXPERIENCE

Experienced entrepreneur with a proven track record in the IT industry, Michel is a graduate engineer from École Polytechnique. He has bootstrapped and built several successful companies, with a strong tech and product culture. An entrepreneur and hands-on developer of web platforms and mobile applications, Michel is also a speaker at AI-focused tech talks.

Founder
– Bluesquare Group

- Bootstrapped founder
- Personally coded dozens of bespoke platforms from scratch
- Business development
- Rapid-response engagements: interim CTO, auditor, support in structuring and scaling tech teams

Co-founder & CTO
– Boost SAS

- Built the software in 2020; since 2022, it has become the leading digital communications platform for pharmacies in France
- Hired and trained the engineering team
- Led ongoing agile product development of the platform

EDUCATION

Ecole Polytechnique
Ecole Polytechnique (X) Graduate

OTHER INTERESTS

- AI enthusiast: AI speaker at tech conferences
- Open-source enthusiast
- Volunteer & Non-Profit Activities

Our team



MAXIME RENOU
PRESIDENT & CTO

PROFESSIONAL EXPERIENCE

A self-taught developer and DevOps specialist who joined Bluesquare in its 1st year of creation, Maxime has a total of over 15 years' experience in full-stack web development and complex digital transformation projects management.

President, CTO
– Bluesquare Group

- Creation of a cloud hosting and automated deployment solution
- Creation of a mass mailing service
- Laravel, React and React Native application development

Full-Stack Developer

- More than 50 customized platforms coded within Bluesquare (for example: internal sales platform, deployed internationally for the Matfer Bourgeat group and 1k+ employees).
- Management of 8 developers: reviews, training, coding, compliance with lean code best practices
- Web application development (Symfony, React, Laravel, Vue), webservice development (NodeJS), mobile application development (ionic, React Native)

EDUCATION

Paris-Saclay University
Computer Science DUT

OTHER SKILLS

- Data architecture
- UI / UX design
- Security / System admin
- Adobe Photoshop
- Video editing & music production
  Adobe Premiere Pro, Logic Pro

Our team



DANIEL JAUTZY
GENERAL MANAGER

PROFESSIONAL EXPERIENCE

Daniel comes from a finance background, where he spent over 10 years working on mergers and acquisitions transactions (aggregate deal value of over €6 billion) for major international corporate clients. He brings his corporate perspective on the challenges of digital transformation projects, as well as strong rigor in leading and delivering them.

General Manager
– Bluesquare Group

- Operations and team management at group level
- Technology consulting and buy-side due diligence
- Establishment and management of Bluesquare Japan subsidiary

Mergers & Acquisitions (M&A) advisory – Technology (TMT) sector
– Morgan Stanley, London
– KPMG *Corporate* Finance, Paris & Tokyo

- Advising C-level corporate executives on their growth strategy
- Experience in financial / commercial negotiation in cross-border financial transactions

EDUCATION

ESCP Europe (Paris / London)
Master's degree in Finance

ENSI Caen
Master's degree in Engineering

SELECTED CLIENTS

EAM (Switzerland), Transdev Group (France), Seqirus Group (Australia), Hitachi Healthcare (Japan), Sony Corporation (Japan), Asahi Kasei Group (Japan), Electrolux Group (Sweden), BNP Paribas (France), Safran (France), Deutsche Telekom (Germany)



03

CLIENT REFERENCES

Client references

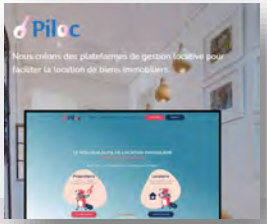
SELECTED PROJECTS (1/3)



Digital transformation of an industrial conglomerate: online catalogue, unified inventory and price management…



B2C Marketplace for swimming pool maintenance and servicing



Transforming a no-code MVP into a full service SaaS platform



Revamp of the homepage with addition of dynamic features



Co-mentoring platform for group employees, implemented across locations worldwide



Creation of a Revenue Based financing platform



Revamp of a legacy system into a modern and secured SaaS application for the French MoD



Development of an online LMS platform

Client references

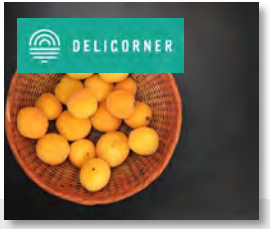
SELECTED PROJECTS (2/3)



We support our fintech client in the development from scratch of their platform



Revamp of the subscription and payment workflow to guarantee the best user experience



Creation of a customized CRM software with tools for geolocation, invoicing, etc.



Buy-side technology due diligence to support a potential investment by our client.



Designing our non-profit organization client's new frontpage



Support in the evolution and development of the e-learning platform



Full responsibility for the media's digital division: development, maintenance, upgrades…



Assistance in the digitalization of membership monitoring tools

Client references

SELECTED PROJECTS (3/3)



Accelerating the digital transformation of a pharmaceutical group



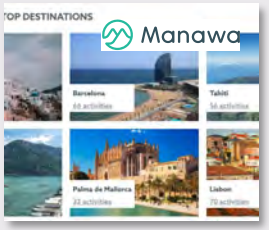
Supporting the technical team in the evolution of the marketplace



Development of a marketplace for the re-use of building materials



Redesign of a holiday rental platform



Creation of a tour booking platform based on geolocation data



Development and testing of AI / deep-learning algorithms for preventive maintenance of pipelines



Support in the development and maintenance of the platform



Development of tools for monitoring deliveries (planning, assignment of orders, geolocation, etc.)

Client references

Customer testimonial video
https://youtu.be/EwgIK-T3JOU

MATFER BOURGEAT

Customer needs:

- Matfer Bourgeat is a bicentenary 100% French family-owned industrial group (whose origins date back to 1814) and world leader in equipment for professional kitchens and laboratories.
- After developing in-house IT infrastructures to manage its production, inventories and administrative and financial management (using IBM), the Matfer Bourgeat group was keen to continue its digital transformation by tackling the digitization of its sales channels and customer relations, sales historically being made via product catalogs in "PDF" format, regularly updated and sent out manually.
- The group was looking for an agency/development company capable of adopting a local approach and an agile operating mode to advise it in its choices (prioritization, technological design and architecture, priority and non-priority functionalities, etc.).

Our support:

Since 2020, we've been providing ongoing support, with several successive assignments designed to build the group's entire digital system in a given order, floor by floor, by interconnecting it within its digital ecosystem with its main distributors and customers. In particular, we carried out the following tasks:

- Digitizing the Matfer Bourgeat product catalog;
- Transforming the digital catalog into an "online store" with a mobile application;
- Development of a customized internal CRM;
- The creation of an online store creation framework for distributors and resellers;
- The creation of a "3D Configurator" enabling customers to visually configure all product options, colors, variants, etc. before purchasing.

The project today:

- After six years, our collaboration continues today to advise, train and support the group in new digital projects, which our team then implements down to the smallest detail.



Timeframe of our collaboration: 2020 – present

Technical stack: PHP framework Laravel, HTML, CSS, Vue.js, DB2 database

Integrations: IBMi, Brevo, Stripe

Client references

FRENCH MINISTRY OF DEFENSE

Customer needs:

- We support the Office National des Combattants et Victimes de Guerre (ONaCVG) within the French Ministry of the Armed Forces in strengthening the reliability, security, and long-term sustainability of its application ecosystem, ensuring long-term scalability and addressing growing cybersecurity requirements.
- From a functional standpoint, the client's needs typically focus on digitising and industrialising the management of administrative case files: consolidating historical records (files, processing instructions, and decisions), streamlining document production through mail merge, and migrating data from legacy databases to maintain consistent master data.

Our support:

Since 2023, our support has been delivered through a series of successive engagements, typically preceded by an audit phase to ensure the relevance and impact of the work carried out, including:

- Technical & functional audit: business/IT interviews, technical debt analysis, recommendations and roadmap, leading to the implementation of a "360° Vision & Roadmap": building a shared core and a cross-functional toolbox (reporting/data visualisation, search & filtering, exports, mail merge, permissions, integrations with INSEE, etc.).
- Design & development of multiple web platforms now in production:
  - Role-based access and operations management (administrator / case officer / read-only) covering workflows such as case files, instructions, decisions…
  - Word mail merge using configurable templates (single / simple / multiple),
  - Data migration & indexing: migration from legacy Access and Oracle databases; case-file indexing in Meilisearch,
  - Quality & security: security testing of production code.

The project today:

- Following a global IT systems audit conducted in 2024, and initial redesign projects delivered in 2024 and 2025 respectively, we are supporting the Office in 2026 with the redesign of an additional application and the secure integration of parts of its ecosystem with various information systems within the MoD requiring the transfer of sensitive information.



Timeframe of our collaboration: 2023 – present

Technical stack: Laravel (PHP 8.2), Laravel Nova, Vue.js, TailwindCSS

Data & infra: MySQL, Redis, Nginx (deployment over Debian/Ubuntu environments)

Client references

ACCOR GROUP

Customer needs:

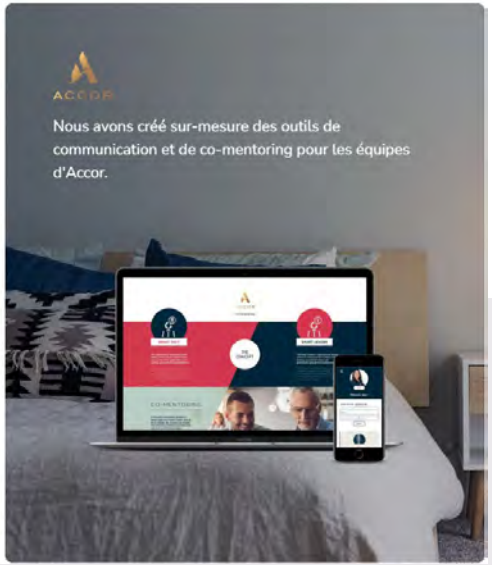
- Our customer in the group's HR department wanted to develop a "co-mentoring" (cross-mentoring) platform to enable its employees worldwide to exchange and share their knowledge and know-how by putting each other in touch via the platform acting as a social network.

Our support:

- We built the platform from scratch: graphic design, advice on UI / UX interfaces, hand-in-hand workshop work with the customer to define detailed specifications and advise on best practices to be implemented on the platform.
- Once the specifications had been validated, our team of full-stack developers programmatically coded the platform, making maximum use of the elements and modules offered by the "Laravel" framework chosen to ensure maximum development consistency and scalability.
- We connected the platform via Active Directory to the computer registry of all the group's employees worldwide, enabling automatic and secure connection to all employees on the platform.
- Due to the high criticality of the personal information stored on the platform and the GDPR, the customer has had specialized firms carry out "penetration tests" on our platform in order to validate its very high level of security and the integrity of the data hosted on it.

The project today:

- We host and manage the platform on a day-to-day basis for the group, and are regularly called upon by them via our ticketing tool to carry out upgrade and corrective maintenance.



Timeframe of our collaboration:
2018 – present

Technical stack: PHP framework Laravel, SQL database, Linux Debian, NGINX

Integrations: Microsoft Active Directory, Brevo

Client references

CERCLE DE L'UNION INTERALLIÉE

Customer needs:

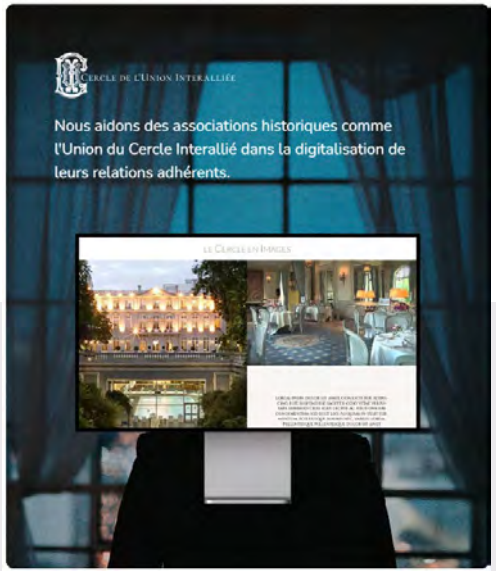
- The Cercle de l'Union Interalliée is a private club founded in 1917, originally created as a place of welcome and exchange for officers and political leaders of the Entente Powers during World War I. It was later established as a permanent "Cercle" enabling French elites and those of allied nations, political and business decision-makers, diplomats, journalists, and senior military officials, to connect and exchange.
- As the intranet system used to collect members' fees had become obsolete and no longer functioned, the client sought technical support to redesign these features and build a new bespoke sub-platform dedicated to membership renewals and subscription fee payments. They naturally turned to Bluesquare, a trusted partner since our first engagement in 2020.

Our support:

- As a more than century-old institution, the Cercle first mandated us in 2020 to conduct an audit of how its PHP Drupal CMS was being used for its corporate website, in order to assess whether it still met current needs.
- We subsequently renewed our support as part of the project to redesign the membership fee management and payment interface. This required developing a bespoke integration with the client's internal accounting software: featuring highly specific rules (unlike off-the-shelf SaaS ERPs) to ensure seamless data flow.
- During the project, we also faced integration challenges with the Cercle's legacy payment provider, which did not offer a sufficiently modern integration with the new platform. Working closely with the client, we advised them on selecting a new provider and managed the migration on their behalf.

The project today:

- The new payment platform went live publicly in January 2023 and is now used daily by members to pay their annual fees.
- Today, we continue to support the Cercle with the complete overhaul of its website and members' area, including event ticketing features.



Timeframe of our collaboration: 2020 – present

Technical stack: PHP framework Laravel, Vue.js, PostgreSQL database

Integrations: Payzen (French payment processor), in-house accounting software, Brevo

Client references

Customer testimonial video
https://youtu.be/9umMVQZDxek

MA NOUVELLE PISCINE

Customer needs:

- Our customer is involved via several companies in the manufacture of polyester shell swimming pools, as well as in related pool maintenance, repair and upkeep activities.
- As part of an innovative growth project, our customer wanted to launch a new project: "Ma Nouvelle Piscine", designed as a platform bringing together swimming pool repairers and technicians across France, enabling customers to easily find a craftsman to carry out any maintenance operation.

Our support:

- Our support on this large-scale project included a significant consultancy and requirements specification phase upstream of the developments, to design the platform's detailed functional specifications with our customer, and in collaboration with a communications agency to validate all the graphics and detailed mock-ups for each page.
- The development of the platform has involved the integration of mapping modules to present the distance and intervention zone of the craftsmen and select the most qualified local craftsman(s), advanced payment (escrow of sums, sums paid into the craftsman's account once the intervention has been validated...), a quote construction flow based on an external product catalog (and prices) for the purchase of components and fixed prices for certain simple / standardized interventions...
- In addition to the complete web platform, we have also developed the full range of functionalities on a mobile application (iOS and Android).

The project today:

- The project is now in production, and is used daily to generate quotes and service requests.
- We also helped our client set up online product sales sites and create various after-sales forms for their "Génération Piscine" brand.



Timeframe of our collaboration: 2022 – 2023

Technical stack: PHP framework Laravel, HTML, CSS, Vue.js, Tailwind CSS, SQL, JavaScript, Prestashop

Integrations: Calendly, MangoPay, Google Maps

Client references

AI ALGORITHM DEVELOPMENT & TESTING FOR PREDICTIVE PIPELINE MAINTENANCE

Customer needs:

- As part of projects delivered for Total, Skipper NDT sought to leverage magnetic field measurements collected outside pipelines to detect early warning signs of defects or rupture risk.
- The objective was to convert these physical signals into reliable predictive indicators, enabling the anticipation of structural degradation and the prioritisation of maintenance operations before critical failures occur, ultimately helping to predict future ruptures.
- The project had to meet stringent requirements in terms of reliability, result traceability, and industrial usability, in the context of critical infrastructure.

Our support:

- We contributed as a specialised subcontractor in data science and predictive modelling, working closely with Skipper NDT's teams. Our engagement started with an in-depth analysis of the physical data (magnetic signals, noise, on-site variability, acquisition conditions) to design a robust magnetic-signal processing pipeline.
- We designed and implemented in Python and Matlab several predictive models for pipeline rupture risk, combining:
  - Advanced magnetic signal cleaning and transformation,
  - Feature engineering to extract relevant characteristics,
  - Training and validation of statistical and machine-learning models,
  - Performance evaluation and result interpretability for operational use.

The project today:

- We were involved from the earliest phases of the program, laying the foundations for predictive maintenance models in an initiative that proved a technological and industrial success with major energy players.
- We also contributed to a solution that has since become a sector reference, with Skipper NDT raising €4M to accelerate international rollout and the industrialisation of its pipeline inspection and risk prediction technologies.



Timeframe of our collaboration: 2017 – 2019

Technical stack: Python, Matlab



04

THE BLUESQUARE TOOLKIT

The Bluesquare Toolkit

OPEN STACKS, READY FOR AI

Together with our customers**,** we choose the most appropriate technological environment to make their project a success.

These environments are based on **modern, robust and scalable technologies.**

Our use of **open-source** technologies, which can be easily transferred to your technical teams and integrated into your customers' tech ecosystems, also enables us to **guarantee the technical independence of** the product code over the **long term.**

Laravel

Symfony

Leading open-source back-end frameworks (PHP, Node.js).

They carry the platforms' business logic and keep you independent from service providers.

React

Vue.js

Front-end and mobile frameworks (React, Next.js, Vue.js, React Native).

Fast, fluid interfaces backed by a vast developer community.

MySQL

PostgreSQL

Robust relational databases that guarantee data consistency.

Complemented by full-text and vector search for AI use cases.

AI · LLM · RAG

Python and open or proprietary language models (Mistral, Llama, OpenAI, Anthropic…).

RAG, agents, evaluations; EU or on-premise hosting.

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OUR CUSTOMIZED DEVELOPMENT METHODOLOGY

An iterative methodology: frequent releases and regular reviews, aligned with your goals.

The methodology applied to each project is unique, but is generally based on the following fundamental principles:

1 A COLLABORATIVE APPROACH

- In the product design phase: Be certain of the graphic universe and functionalities.
- Development phase: Project sequencing, visibility and progressive validation with milestones.
- In the pre-production phase, a test area lets you browse the product and train your teams in platform administration.
- Go-live: Site deployment with the host of your choice or via our managed services offer, complete transmission of key technical elements (source code, server & database access, etc.).
- In the post-production phase: training and communication with your technical teams to ensure that the product is properly adopted; evolutionary maintenance, facilities management...

2 STRENGTHENING OUR CUSTOMERS' TECHNICAL INDEPENDENCE

- Code ownership and documentation: Our customers own the entire project code, so they can edit and develop it as they see fit. Our code is documented.
- Guaranteed independence: We recommend technologies that ensure our customers' technical independence (scalable products, easy to master in-house, built on robust, future-proof technologies).

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OUR CUSTOMIZED DEVELOPMENT METHODOLOGY

An iterative methodology: frequent releases and regular reviews, aligned with your goals.

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3 PROCESS FLUIDITY

- Simplicity: A single point of contact supports our customers throughout the entire project cycle.
- Tech culture: To ensure quality project follow-up, we are convinced that project management support functions must also be carried out by code professionals.

4 STABILITY POST-PRODUCT

- Reactivity and agility: Our development standards enable each of our employees to intervene in all technical aspects (graphics, architecture, security, etc.) of each customer project as and when required.
- Stability: 100% of our team of full-stack developers are on full-time permanent contracts.

5 QUALITY OF CUSTOMER RELATIONS

- Alignment: To deliver on our commitment to "Make every project succeed", we always work on projects whose strategy and vision we can deeply understand and adhere to.
- Disintermediation: We work exclusively with the end customer, and do not accept intermediated assignments.



Bluesquare Computing

PEOPLE
TECH
IMPACT

Bluesquare Computing SAS

RCS Paris 810 390 179
9 rue des Colonnes, 75002 Paris, France
(+33) 1 76 40 35 30
contact@bluesquare.io
next.bluesquare.dev