



XERINI

Optimising productivity
using technology and AI



Are you getting value out of your data?

Any business that has a digital presence will collect data on its everyday operations, ranging from online payroll to sales figures. But data doesn't automatically generate value, in fact, it can create problems, particularly if it is kept in legacy systems or is siloed in spreadsheets.



How does this happen?

1. Mess caused by organic growth

Disorganisation is often a result of organic business growth. As companies grow and change, they require immediate solutions, whether it's a new workflow management system for growing teams or financial software to manage invoices. A new tool could fix specific requirements, but often it only has limited, targeted functions and these systems rarely communicate with each other.

2. Fixing the problem with human middleware

Businesses often try to bring disconnected systems together with reporting. Manually inputting data into spreadsheets or other files may bridge the gap between systems but it also creates inconsistencies. Inputting data and managing spreadsheets can be incredibly time consuming and risky, with input errors and potential losses caused by multiple users risking report integrity.

3. There's too much data!

Organic growth also means there's always more data to deal with. Each new system or tool introduces more data, which is often raw and unstructured. While more data means more opportunities, it requires people to put the pieces together and connect the dots. It can be much harder to find insights among chaos.

As a result, businesses are often sitting on a goldmine of valuable data that they can't use because they don't even know it's there.

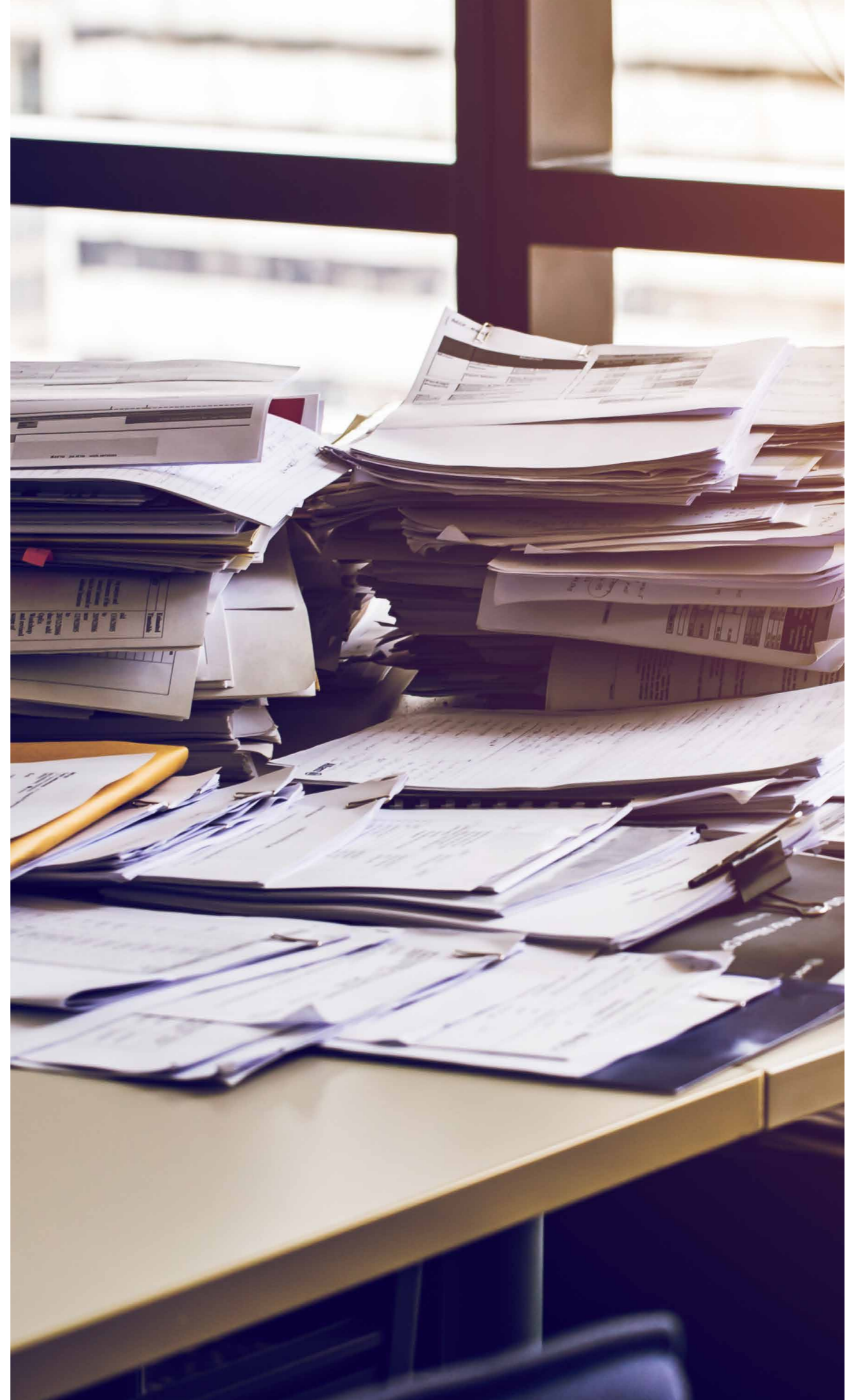
4. Stuck with a legacy

Businesses are typically still using legacy systems that were built before automated systems became available. When the systems were first introduced they were essential — now companies are following these processes because it's the way they've always done things, rather than being the best way.

If a system has been working well for the last decade, most organisations don't feel the need to overhaul it. Businesses can also be nervous about unpicking their legacy systems, especially if those that originally implemented the infrastructure are no longer at the company.

5. Fragmented systems

Data is kept in isolated systems by each department, which makes collaboration difficult and means human middleware is needed to share information effectively. Siloed data also makes it difficult for management teams to have full visibility over the organisation — causing frustration.





The traditional fixes and why they don't work

It's not like we're telling you anything new – many businesses are already aware of the data challenges they face. A variety of solutions already exist, but they don't always deliver. Why?

The data warehouse

Data warehouses have long been the go-to solution for consolidating data across an enterprise. The concept is sound — gather all your data in one place, structured and ready for analysis. However, the execution often falls short.

It requires meticulous planning, considerable resources and perfect alignment of various elements. Data needs to be cleaned, structured, and mapped — an onerous task that demands substantial investment. The costs can quickly escalate, as can the timeframe, often stretching into years before any value is realised.

And then there's the challenge of change. Requirements shift, businesses pivot and new data sources emerge.

The static nature of a data warehouse struggles to keep pace, leaving you with a structure that's as rigid as it is expensive. By the time your data warehouse is ready, your business may have outgrown it.

Enterprise resource planning (ERP) issues

A major ERP project can promise an integrated system that connects your disparate applications into one unified whole, but it can also be an extensive undertaking.

Even when executed well, the wait for tangible value can be long — it could be years before you see any results.

By then, the business landscape may have altered, and the fruits of your labour may no longer meet your needs.

So where does this leave you? While traditional solutions have their place, they aren't always the best fit.

So, what's the alternative?

Enter Xerini...

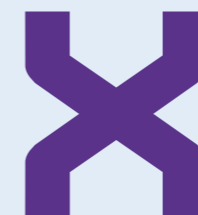
Xerini understands the need to be dynamic, agile and relentless in the business landscape.

That's why our approach is all about flexibility, using our expertise in technology and AI to harmonise disjointed systems and find the real potential in data.

Xerini develops specialist software specific to a business's needs. We use a diverse set of software tools and techniques to develop a platform that can improve communication between systems and departments.

We take an incremental approach, helping to improve platform flexibility while reducing cost and time to delivery. Our business software platforms make use of and work alongside existing systems to unlock value in data and remove the need for human middleware.

Take a look at the same organisation when we implement a data and process orchestration platform: Think back to the original organisation and its data management chaos.



A single platform collates systems from various departments, and presents data in an intuitive way. It makes communication between departments easier, gives staff the information they need at their fingertips and provides management full visibility over operations

Our services

To determine the services and technologies that will most benefit a business, Xerini will:

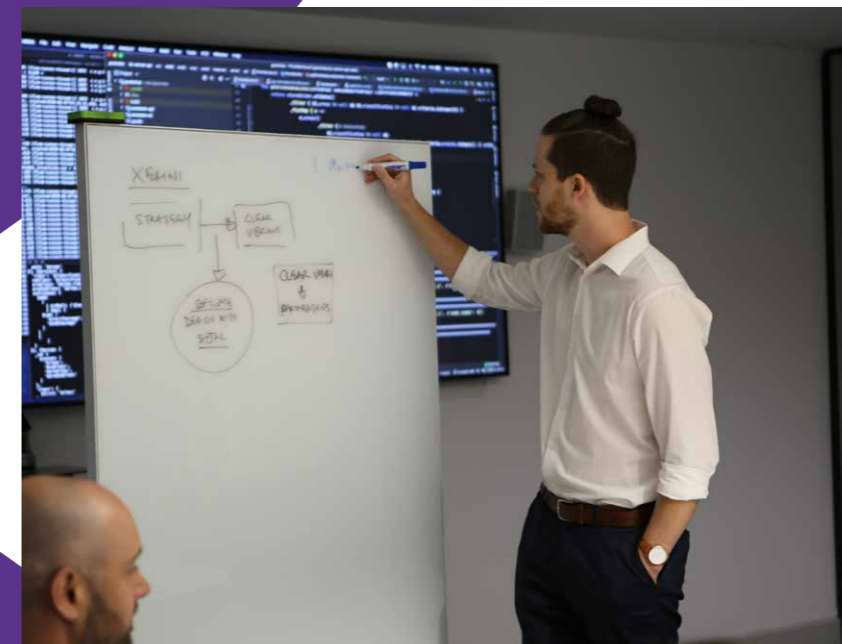
- ✓ Analyse the specific pain points
- ✓ Streamline data management to eliminate duplications or inconsistencies with data
- ✓ Develop customised solutions and integrate them with existing technologies to leverage current investments
- ✓ Share expert knowledge on advancements in AI and other technologies to ensure businesses stay ahead of the competition



Software development

During the development stage, Xerini will review all

your existing systems, from large, complex management systems, to smaller web or mobile applications, to build a platform that collates these tools. After exploring how to design the software architecture, we'll lead you through the implementation process, either offering our own Agile Software Development Lifecycle off-the-shelf systems or integrating with your organisation's existing processes.



Strategy consultation

The IT department is typically kept separate from the rest of the

business. However, if a business' technical IT capabilities do not align with other business requirements, it can be difficult to improve productivity.

We support clients as they develop and implement IT strategies, so that they can efficiently and effectively create processes that are reliable, secure and scalable.



Data analysis, integration and aggregation

Xerini writes software

that connects to any digital system to reliably source data in real-time. By bringing data from multiple disparate systems together, we can clean it, verify its validity and quality and provide comprehensive reports customised for all levels of your organisation.

The result? Everyone in the organisation sees the data they need in an intuitive format for their role.



Team augmentation

Sometimes, all your team needs is an extra boost. Xerini can

provide just that, offering experienced engineers and data scientists to augment your existing team's capabilities. Whether you need additional resources for a month or even years, our professionals can seamlessly integrate with your team, working under your management to help you achieve your objectives.

Artificial intelligence for business

Advances in artificial intelligence and chatbots are changing the way we work. Businesses can use these tools to streamline operations, improve data collection, enhance customer experience and simplify administrative tasks.

AI tools can:

- Help better organise data
- Analyse data to detect trends
- Answer queries from team members

Our services

Machine learning

We can apply tried and tested machine learning techniques and build applications that can classify data in a meaningful way. Machine learning models can learn patterns, which over time can help users detect and correct errors or inconsistencies, helping businesses improve data quality.

By automating data management tasks and reducing the need for manual intervention, machine learning can help reduce the cost of data management. This can free up resources to focus on other business priorities.

Natural language processing

Xerini can build and integrate ChatGPT or private chatbots into a software solution to answer queries or create content from existing data. We use our understanding of the latest developments in AI, machine learning and Large Language Models (LLMs), to build and train platforms that are bespoke to a client's needs. Every member of your team will have their own optimisation assistant as part of the platform, removing the need to mine different files, systems and legacy equipment to find what they need.

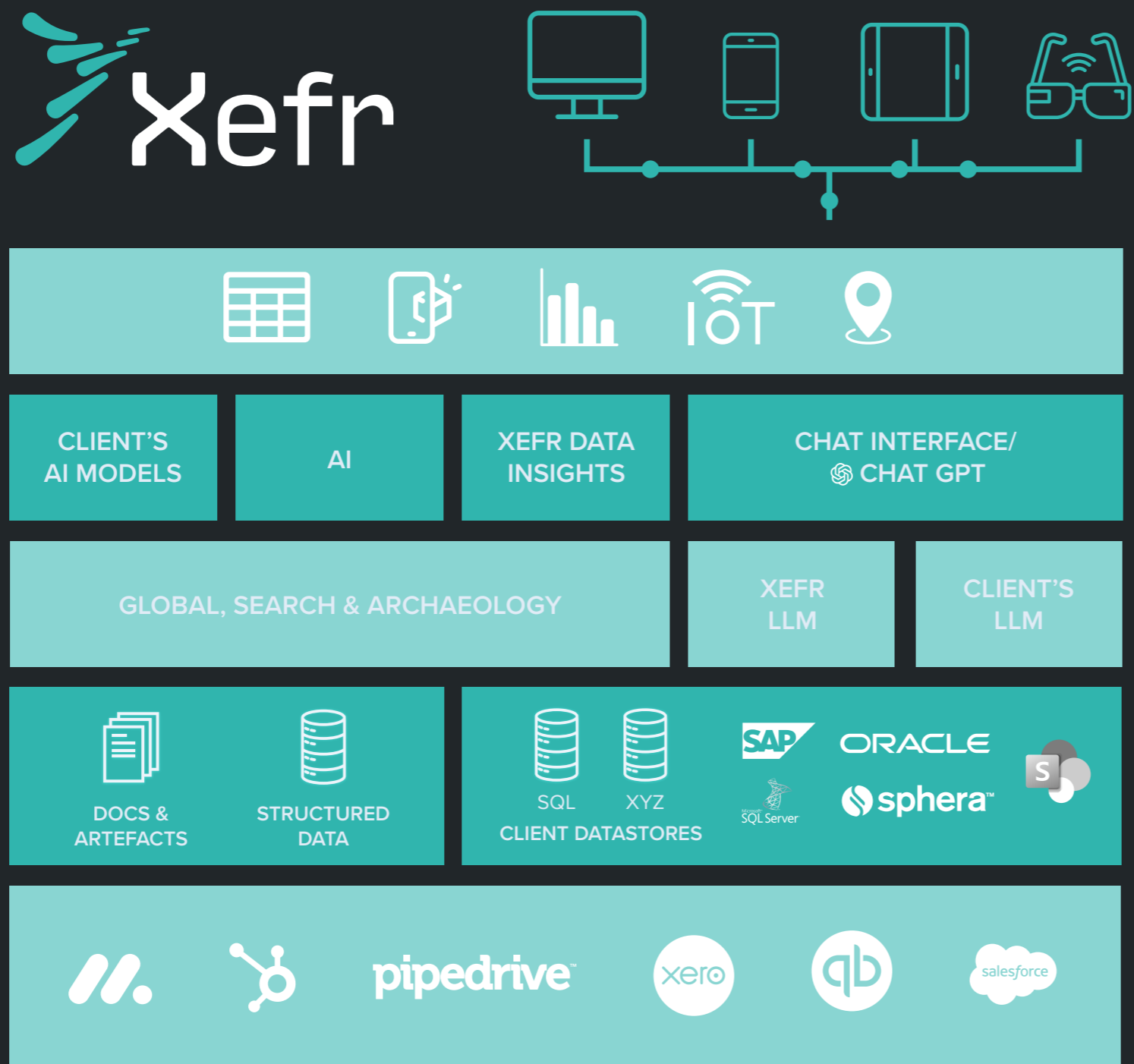


A breath of fresh Air

By integrating data from different, disconnected systems into one software platform, we ensure that correct and organised data is delivered to the right people at the right time.

Xepr is the first customisable data and process orchestration platform (DPOP), built to liberate data from silos and gather it in an effective and intuitive format. The customisable, off-the-shelf platform works alongside current processes, so existing systems are already part of the solution.

We ensure that **correct and organised data** is delivered to the right people at the right time



Xefr helps to

- ✓ Connect disparate systems into one seamless platform
- ✓ Collect, structure and organise data from these systems
- ✓ Create a single interface that different team members can access for their particular needs
- ✓ Migrate processes from Excel to the Cloud
- ✓ Automate manual processes and add smart workflows

With Xefr, organisations can

- ✓ Gain powerful insights into operations
- ✓ Automate data processing to improve accuracy and efficiency
- ✓ Make data-driven business decisions
- ✓ Ensure team members can find the data they need quickly, improving efficiency
- ✓ Gain visibility over processes



Meet the leadership team

Xerini draws on a wealth of experience managing and implementing complex data applications that rely on real-time, accurate data arriving at the right place at the right time.



Jon Williams

Jon worked in the banking sector for over 20 years, designing and building software systems across multiple business functions, such as human resources, corporate treasury, risk management and operations. He has worked for many of the top tier investment banks, such as UBS, Morgan Stanley and JP Morgan, where he was responsible for creating real-time market data platforms that supported billions of dollars of trades.



Alex Luketa

Alex is a software consultant with over 14 years of experience working in the financial sector, designing and building a variety of systems for clients including Morgan Stanley, Goldman Sachs and Credit Suisse. Alex is already experienced in the burgeoning field of artificial intelligence and machine learning, from his work devising an innovative in-car app that uses machine learning to improve road safety.



Simon Burgess

Simon was a technology leader in the financial sector for over 20 years, running multi-functional teams across diverse areas such as cash management, corporate treasury and financial control. After heading up the technology department for Morgan Stanley's regulatory control and reporting teams in EMEA, Simon went on to establish its cloud-based SaaS offerings in Asia and North America.

About Xerini

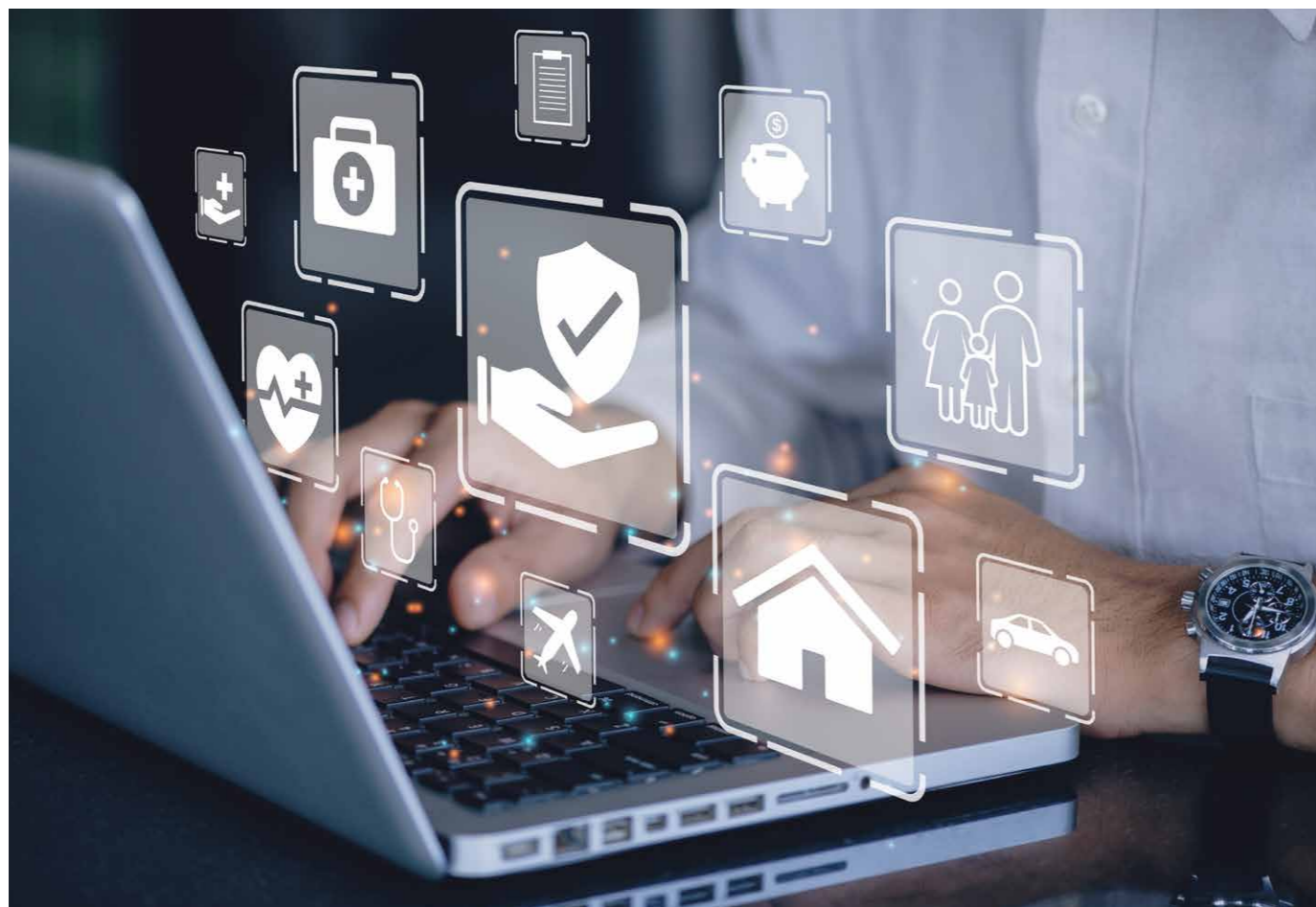
Xerini is a software design consultancy on a mission to inspire and empower businesses to optimise productivity using technology. By using data more effectively, challenging conformity and thinking differently, businesses can liberate themselves from the constraints of silos and remove the need for human middleware.

Our mission aligns with our values: empowerment, pragmatism, respect, curiosity and creativity. They form the cornerstone of our operations, guiding our relationship with our clients, shaping our services, and forging our reputation as a trustworthy, creative and innovative partner.



Solve your industry specific challenges...

So how can Xerini use Xepr and its other solutions to solve your industry-specific challenges? We develop versatile solutions that can support a range of applications.



Insurance



Claims processing Insurance firms can often be buried under mountains of paperwork and have antiquated processes that make claims handling a time-consuming and error-prone task. Xeifr's AI-powered data extraction feature can digest piles of documents and files, streamlining the process and boosting efficiency.



Policy underwriting Changing variables and disconnected data sources can make it difficult to underwrite policies. The data connectivity feature of Xeifr can unite these disconnected systems into one dynamic dataset, reducing turnaround time for policy issuance



Fraud detection The insurance industry collects a wealth of data, including high volumes of unstructured data like claim documents, emails and call transcripts. Identifying fraudulent claims among this growing data set can be difficult. Using Xeifr, team members can ask questions of structured and unstructured data to unveil patterns and inconsistencies, making it easier to detect suspicious activity



Wealth Management



Client portfolio management Firms will deal with convoluted and diversified portfolios stored across various systems. Xeifr has one unified interface that can offer a single, comprehensive view of each portfolio, ensuring more informed decision-making



Investment strategy optimisation To help better personalise investment strategies, Xeifr can convert complex datasets into valuable insights. With interactive querying, the firm can quickly access factors such as market trends, client risk appetite and portfolio performance to create customised advice

Construction



Project management A centralised system with dynamic dashboards could enable construction companies with projects scattered across different locations and systems to more effectively track project progress, resource allocation and timelines in real time, eliminating the need to read multiple reports from different teams



Site incident analysis By using a centralised system with natural language processing and conversational capabilities, businesses can quickly correlate incident data with factors like weather, equipment status and crew schedules. The quicker construction companies can identify incident patterns, the quicker they can introduce preventative measures that help improve site safety and streamline operations.



Manufacturing



Production planning Production data is often spread across multiple systems, making planning and scheduling a difficult task. Xepr can consolidate production-related data into one comprehensive dashboard, enhancing planning efficiency



Quality control Gaining access to a unified interface to monitor quality metrics enables manufacturers to review production in real time. Improving visibility using Xepr enables them to quickly identify and resolve quality issues to improve overall productivity and reduce waste



Quality assurance Unstructured data like inspection reports and machine maintenance logs can give crucial clues about potential quality issues, but it can be difficult to see the information in this format. Xepr can turn these raw data sources into a proactive tool for quality assurance





Case Studies

Manufacturing Technologies Centre (MTC)

Xerini created a system that verifies 3D printing baseplates using image processing techniques to make the set up more accurate and time efficient. We then developed a machine learning pipeline to detect possible defects, using a deep learning models to train the system. Xepr enabled us to integrate these systems into other existing ERP systems.

Results

- Automating pre-use checks reduces the likelihood of defects occurring
- Introducing machine learning means any defects that do occur are identified in less than one hour
- Automated tests replace time-intensive manual reviews, freeing up staff time for value add projects



[Case Studies](#)

Change Ahead

Xerini proposed a scalable and accessible AI tool that acquires large amounts of useful data quickly and automatically validates relevant content.

Results

- Automating pre-use checks reduces the likelihood of defects occurring
- Introducing machine learning means any defects that do occur are identified in less than one hour
- Automated tests replace time-intensive manual reviews, freeing up staff time for value add projects

CHANGEAHEAD

Change Ahead helps to connect vulnerable people with support services. To ensure they are showcasing relevant and high quality services, volunteers were spending hours manually searching for relevant websites, preventing the charity from scaling up.

XERINI

**Optimise your productivity
Contact Xerini**

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