

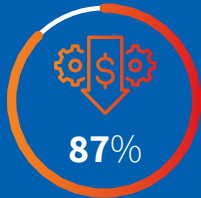
**It's time for lower costs,
greater flexibility and
more security.**

How you can take back
control of your database.

It's time for Tiberio.

Is data growing out of control?

With private and hybrid cloud infrastructures reaching critical mass, companies are struggling to control the performance and operational cost of their database tier.



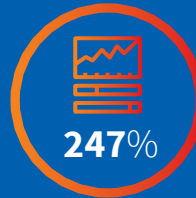
Percent of IT decision makers that are actively attempting to reduce the management costs of their databases

Source: IDG Research



The amount of digital data estimated by 2025, nearly 4X the amount in 2019

Source: IDC Data Age



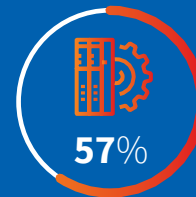
Big data adoption growth in enterprises between 2015 and 2018

Source: Forbes



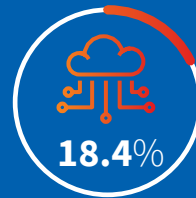
By 2022, more than half of major new business systems will incorporate continuous intelligence that uses real-time context data to improve decisions

Source: Gartner



Percent of IT budgets spent on maintaining existing infrastructure accounts

Source: ZDNet



Amount the DBMS market grew between 2017 and 2018, reaching \$46.1 billion—two-thirds of that growth came from cloud services

Source: Gartner

Introducing TmaxSoft Tibero, a next-generation database management system.

Businesses grow and are recognized by their innovation, and IT departments provide the engine for that innovation. But if your IT deliverables are not what they should be, maybe it's time to rethink your software infrastructure architecture. You need to take advantage of opportunities for redeploying with products that lessen your budget pressure, improve security and performance, and deliver results.

Tibero powers innovation. That's why more and more companies are turning to Tibero for their DBMS solutions.

Tibero is the highly secure, highly scalable relational database management system (RDBMS) for enterprises that want to fully leverage their mission-critical data.

In a world where data is at the core of everything, Tibero from TmaxSoft provides an enhanced view of processing, managing and securing large-scale databases. With Tibero, you can bridge the gap between legacy relational databases and running workloads in the virtualized data center and the cloud. Tibero delivers superior performance. Excellent reliability. And a simple licensing model that saves you money.



It's time for a change. It's time for Tibero.

Database management systems (DBMS) make up a large line item on many IT budgets. Many users feel locked in once a vendor's solution has been chosen.

With its 12-year history, over 4,200 installations, more than 500 conversions from many of our biggest competitors, and nearly 300 implementations globally, Tibero has a proven history helping customers improve performance and lower costs.

Ease of transition

Users may be cautious about switching a risky porting project from one vendor to another. Automated transition tools have not always been

provided, or an existing vendor's extensions may not be supported in a new environment. It's time for a change. It's time for Tibero.

Total cost of ownership

Users are often caught in a spiral where support and maintenance prices rise year after year. In addition, existing DBMS licenses might be required based on the server's maximum number of server cores, not the cores actually being used. The result may be a database expense disproportionate to the benefits received, using up scarce IT dollars that would be better spent on IT innovation. It's time for a change. It's time for Tibero.

More innovative, more secure, and better performance. Why it's time for a change.

It's time for data security.

It seems that every week there is yet another report of a massive data breach. But Tibero can keep your data and applications safe.

Tibero provides enhanced security over alternative products. For example, we extended the length of our digital keys, so that even compromising a single piece of data would take about 11 years (in our lab, we compromised the digital signature of the largest database competitor within two hours).

It's time for better performance.

For many data-intensive applications, performance is critical. Whether the project is processing large transactions or analyzing big data sets, speed can make or break the project.

Tibero efficiently utilizes resources and optimizes I/O processing. In fact, its database was developed to provide optimal performance when processing large data loads.

It's time for innovation and scalability.

Data is critical to business today—it is the lifeblood of any organization. Tibero keeps your data flowing.

Business users demand anytime, anywhere access to applications. 99.999% uptime has become expected across the board, not just reserved for the most mission-critical applications and data. At the same time, you want options in how you set up your core data systems.

- TmaxSoft Tibero provides full support of redundancy and failover options. Tibero Active Clusters (TAC) can be set up as Active Active Cluster mode.
- Tibero can also support very large databases. Many of our use cases routinely involve databases in the petabyte range. Your deployment can scale appreciably without regard for headroom.
- Some vendors restrict your usage of their database to certain virtualization products. Tibero does not. It works with most commonly available virtualization and cloud infrastructure solutions.

TAC-shared disk replication

- Seamless failover under unexpected failures, allowing the clustered nodes to actively process transactions
- High performance with multi-node active clustering
- Convenient accessibility to all storage components, such as data files, control files, redo log files, etc.

KEY FEATURES

Choice of modes

- Active Active Cluster
- Configure for application importance

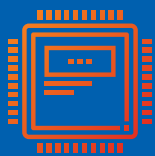
Fast failover

- Under one minute in most cases
- Use disk cache to minimize data loss

Failover may be used under below conditions

- Server down
- Database engine errors
- Public network errors
- Interconnect errors
- Storage cable errors

Tibero has a proven history of helping customers improve performance and lower costs.



13%
lower CPU

A major research institute realized a 13.3% lower CPU usage, supporting 500 transactions per second



64%
lower TCO

A major digital payment company in India lowered the total cost of ownership for their database infrastructure by 64%



10 mil
transactions a day

An international financial company now reliably supports 10 million transactions per day with a database size of 5TB



50%
lower costs

A well-known insurance company reduced its database maintenance and licensing costs by over 50%

How a medical manufacturer achieved database flexibility and freedom with Tibero.



With sales in the hundreds of millions of euros, Heel is one of the world's leading manufacturers of natural medicines. Although it is based in Germany, Heel has subsidiaries all over the world, including Heel España whose mission is to improve quality of life through natural ingredients and innovations.

Heel España wanted to manage its customer relationships and sales processes, while also improving analysis and keeping costs down. But their legacy CRM system, paired with a lack of direct access to the company's databases in Germany, brought their efforts to a standstill. Updates and modifications were slow and complicated.

It was time for a new, modern CRM. A standard commercial off-the-shelf CRM would mean changing their processes. Why fix something that wasn't broken?

They decided to develop their own CRM that they could adapt to their company and its processes. But there was still the question of database access. Being unable to reach the German database when they needed data was making it difficult for them to stay lean or innovate. The search for a new database began, but it had to meet several requirements. It had to be easy to access from Spain. It had to integrate with Heel's systems and enable accelerated processes. It had to be easy to use. Automation was also a key requirement.

After evaluating other products, Heel selected TmaxSoft Tibero. Not only did Tibero meet all their requirements, but Heel appreciated its predictable pricing and licensing. They also valued its flexibility, since Tibero can be installed on-premises, on a virtual server, or in the cloud.

The results included:

- Architectural freedom and flexibility
- Cost control and predictability
- An 80% improvement in processes such as data loading, importing and BI reporting
- Quick accessibility to up-to-date data for analysis, enabling the business to make smarter business decisions

More than 600 highly successful companies have switched to Tibero.



Funcef Pension System

The third largest pension fund in Brazil and one of the largest in Latin America, Funcef supports 150,000 pensioners from Caixa banking. Funcef needed to expand their IT infrastructure to enable a variety of environments, including cloud, 3rd party data centers and SaaS. But their existing databases couldn't support the changes. Within eight months, Tibero migrated 20 years of procedures into its database, reduced database costs by 75%, cut environment resource consumption by 35%, and provided the flexibility Funcef needed.



CTOS

Malaysia's leading credit reporting agency, CTOS, had a database that could only handle 1,000 customers at a time. As a result, the sales team experienced slow response times during peak hours. Any increase in customers was only going to increase the problem. They needed a scalable database solution that delivered better performance, but also better data security and cost savings. Tibero was just what they needed, providing robust, scalable database management that handled new growth, increased security and also worked with their existing Java application without any code changes.



Ibergraf Siglo XXI

Spanish company Ibergraf Siglo XXI is in the business of cleaning, protecting and rehabbing buildings, streets and other urban artifacts. They needed a new inventory control solution for their products and machinery, without disruption or risk, and in the shortest possible time. They chose Tibero as the database for their central inventory management solution. Tibero was 100% compatible with the old database, so the data migration was automatic and took just a few hours. In addition to having no impact during implementation and migration, its data loading, reporting and other data processes improved by 70%.

More freedom and lower costs. Change is here.

It's time for an easy transition.

With TmaxSoft Tiberio your application code has only minimal changes, which preserves your investment in business logic.

We also support direct translation for most vendor extensions. For example, Tiberio supports Oracle and other company's data types, commands, SQL extensions, schemas and more. And most transitions can be completed in only four to six weeks.

It's time for a lower total cost of ownership.

The marketplace has been saying that enterprise-class databases are significantly overpriced, especially with the associated ongoing maintenance.

TmaxSoft Tiberio takes the complexity out of licenses. Most RDBMSs are licensed per the physical core. Oracle, for example, has an RDBMS licensing model whereby, in a soft-partitioned virtualization environment, its customers are required to pay for 100% of the available physical cores—even if they're not used. Others offer a "by-the-core" licensing model for their RDBMS, but what they don't say is that "pay by the core," only goes into effect if you're adding cores.

That is where Tiberio comes in. With Tiberio, you pay for the cores actually used in the server, not the total number of cores in that server. This is critically important for the virtualization component of private and hybrid cloud usage. Not only that, but the upfront licensing fee is about 50% of our largest competitors' fees.

And the savings do not stop there.

TmaxSoft charges just 20% for support and maintenance against licensing cost. And with its license cost so low, that means Tiberio support fees are typically about 60% lower for similar coverage from large vendors.

The time is now for Tiberio.

Stop paying high prices for licenses and à la carte services that can triple your RDBMS cost. Tiberio is the cloud-ready, all-in-one solution for complex workloads, providing flexible and transparent licensing that lets you redirect funds toward innovation.

Tiberio can offer cost savings of more than 70% compared to Oracle and other companies, including 50% lower maintenance costs.

If you are looking to find serious, enterprise-class database alternatives, please call or email us today to schedule a discussion and demo.

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