

# Centralized Database System Within an ERP

One Database. A Stronger, More Connected Business.

A centralized database is the foundation of an ERP, bringing all your business data together in one place. It quietly powers every function — from sales and engineering to production, inventory and finance — enabling real-time visibility, better collaboration and smarter decision-making.



## Commercial vs. Open Source Database

Both commercial and open source databases can power an ERP. Each has its own strengths.

| Factor                                                                                           | Commercial Database<br>(e.g., Microsoft SQL Server, Oracle)                                                | Open Source Database<br>(e.g., PostgreSQL, MySQL)                                           |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|  Cost          | License fees required                                                                                      | No license fees<br>(cost effective)                                                         |
|  Support       | Vendor support<br>(with SLAs)                                                                              | Community support<br>and optional paid support                                              |
|  Features      | Rich features, enterprise<br>tools, advanced<br>management                                                 | Robust features,<br>continually improving                                                   |
|  Customization | More limited<br>customization                                                                              | Highly flexible<br>and customizable                                                         |
|  Best For      | Organizations that need<br>vendor support, specific<br>enterprise features or<br>existing technology stack | Organizations looking for<br>a cost-effective, flexible<br>and high-performing<br>solution. |

## Why a Centralized Database Matters

A centralized database within an ERP provides significant business advantages for manufacturers.

-  **Real-Time Data Visibility**  
Access accurate, up-to-date information across all departments.
-  **Better Collaboration**  
Everyone works from the same data, reducing silos and miscommunication.
-  **Improved Decision Making**  
Make faster, data-driven decisions with a single source of truth.
-  **Eliminates Duplicate Data**  
Enter data once and use it across the entire system.
-  **Higher Data Accuracy**  
Reduces errors and inconsistencies.
-  **Greater Operational Efficiency**  
Streamlines processes and improves productivity.
-  **A Stronger Foundation for Growth**  
Easily scale as your business evolves.

## Why PostgreSQL Is a Popular Choice for ERP

PostgreSQL is a powerful, open source database that offers enterprise-grade reliability, performance and flexibility — making it an excellent choice for ERP systems.



**PostgreSQL**  
Open Source.  
Enterprise Ready.



**Cost Effective**  
No license fees  
and lower total  
cost of ownership.



**Reliable & Stable**  
Proven performance  
for mission-critical  
applications.



**Feature Rich**  
Supports advanced  
features, complex  
queries and large  
datasets.



**Highly Scalable**  
Grows with  
your business.



**Flexible & Customizable**  
Adapt to your  
unique business needs.



**Strong Community**  
Active global community  
and continuous  
improvements.

## The Bottom Line

 The database may not be the most visible part of an ERP, but it's one of the most important. A centralized database — whether commercial or open source — connects your people, processes and data, enabling greater visibility, efficiency and growth.

**With its power, flexibility and cost-effectiveness, PostgreSQL is a strong choice for manufacturers looking to get the most out of their ERP.**

Real Data.  
Real Solutions.  
Real Manufacturing Growth.

### OmegaCube ERP

Built on a foundation of connected data to help manufacturers operate smarter, faster and stronger.

[Learn More About OmegaCube ERP →](#)

-  Connect Your Data
-  Streamline Operations
-  Make Smarter Decisions
-  Scale with Confidence