



RATIODATA IT LOGISTICS AND REPAIR CENTER: HOLISTIC GENERAL PLANNING FROM CONCEPT TO REALIZATION

When growing IT logistics reach structural and process limits

Rising demands on IT services, spare parts logistics, and repair operations are creating new challenges for logistics sites. Different functional areas such as warehousing, workshops, office spaces, and automated material flows must work together efficiently. At the same time, expectations for sustainability, scalability, and attractive working environments continue to increase.

For Ratiodata SE, a nationwide IT service provider and managed service partner specializing in highly available, regulated IT services, this meant creating a new site that combines operational efficiency, technological future readiness, and environmental responsibility.

Project-specific challenges

- Consolidation of IT logistics, repair operations, and office workplaces at a single site
- High requirements for automation and material flow
- Integration of modern logistics technology into a sustainable building concept
- Future-proof design for growing volumes and new technologies
- Coordination of numerous trades across planning, construction, and commissioning
- Ensuring on-time and smooth go-live
- Mapping complex IT service processes with high demands on quality, security, and availability

From new-build project to integrated logistics solution

To ensure successful implementation, Ratiodata relied on holistic general planning. The goal was to view the building, technology, and processes as a single, integrated system from the outset. Only this approach made it possible to realize a logistics and repair center that meets operational requirements as well as ecological and ergonomic objectives.

The project: Logistics and Repair Center in Industrial Park A61

As general planner, EPG was responsible for the design and realization of the new IT logistics and repair center in Industrial Park A61 in Koblenz.

On a site of around 30,000 square meters, a new 16,500-square-meter facility was built, featuring a highly automated warehouse, specialized workshop areas, and modern office workplaces. EPG assumed full coordination, from site analysis and technical planning through to the integration of logistics processes.

Project components at a glance

1. Holistic general planning

Coordination of all planning and construction services, including logistics, building, and technical planning.

Benefit: A unified overall concept and smooth project execution.

2. Logistics project management and interior design

Project management for logistics processes as well as interior design and fit-out planning.

Benefit: Clear responsibilities, coordinated working environments, and consistent implementation of logistics and office spaces.

3. Automated logistics solution

AutoStore system with 16,000 bin locations, high-performance conveyor technology, manual storage areas, and six automated guided vehicles.

Benefit: End-to-end material flow, short distances, high productivity.

4. Goods-to-person principle

Direct provision of items at the workstations.

Benefit: More ergonomic workflows and more efficient picking.

5. Modular design

Flexible scalability of technology and capacities.

Benefit: Future readiness and adaptability for continued growth.

6. Sustainable energy concept

Fossil-free operation, photovoltaic systems on roof and parking areas totaling around 8,000 m², green roofs and façades.

Benefit: High share of self-generated energy, reduced emissions, improved microclimate.

7. Modern working environments

Bright office spaces, ergonomic workstations, generous social areas, and an on-site cafeteria with co-working café.

Benefit: Attractive working conditions and high employee satisfaction.



RATIODATA SE

IT systems integrator and service partner

“With the new logistics and repair center, we are sustainably increasing the efficiency of our IT logistics while creating the foundation for further growth. Close collaboration with EPG enabled end-to-end planning and smooth implementation of the project.”

- **16.500 m²**
logistics and repair space
- **30.000 m²**
site area
- **16.000**
AutoStore bin locations
- **8.000 m²**
photovoltaic system (self-sufficient power supply)
- **Office and social spaces** including focus workstations, co-working areas, and catering

Flexible, sustainable, future-ready

The logistics and repair center was consistently designed for long-term efficiency and sustainability. Intelligent building management systems automatically adjust energy consumption to actual demand. The modular structure allows additional technologies and capacities to be integrated without major structural changes. In addition, the new facility offers modern office and workspaces for up to 100 employees, deliberately creating room for future workforce growth.

Learn more about the project

Discover further details on the planning and realization of Ratiodata's IT logistics and repair center. Scan the QR code to watch the project video with insights into operations, technology, and working environments.

« [Learn more about the project](#)