LSR), Value Added Service (WM-VAS), Yard Management (WM-YM), Cross-Docking (WM-CD), Wave Management (WM-TFM-CP), and decentral WM (WM-DWM) are not part of Stock Room Management.

Lean WM is a simplified version of WM. Both are based on the same principles, but Lean WM does not manage the inventory at the storage bin level. Lean WM is a good solution for a customer which has only a limited number of materials and uses only a fixed bin strategy.

ERP Decentralized Warehouse Management

Especially in warehouses with a high throughput, the Warehouse Management system must always ensure quick response times. If the Warehouse Management system runs on the same machine as the ERP system, performance problems may arise.

Also, at some warehouses, the WMS must be available 24 hours a day. This is regardless of whether other systems are available or not.

24-hour availability must be combined with a low risk of downtime. This is to ensure that the WMS can perform all logistics processes, which are often closely integrated.

For these reasons, you can install an SAP system as an independent, decentralized Warehouse Management system to receive requests for goods movements from any Enterprise Resource Planning system.

Decentralized Warehouse Management

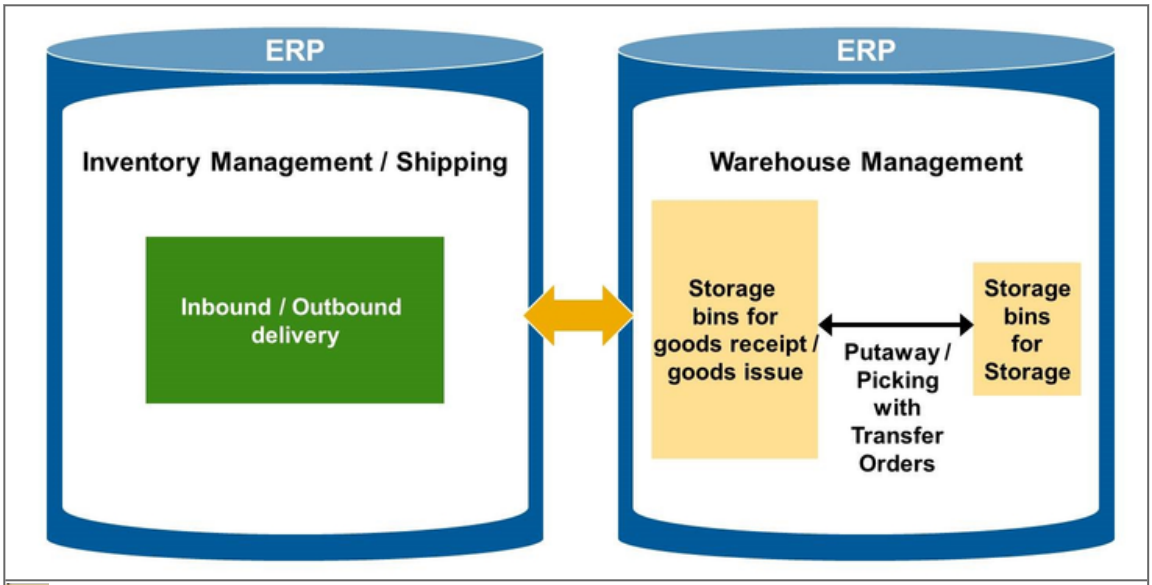

Figure 4: Decentralized Warehouse Management

Technically the system for Inventory Management / Shipping can also be an SAP S/4HANA system, which is connected to an ECC system as warehouse management solution.

Decentralized WM
In a decentralized WM, the WM is logically or physically separated from the ERP System, therefore:

- The ERP system manages processes, for example the creation of sales orders, purchases orders, and the corresponding deliveries.
- The decentralized WM manages warehouse processes, for example goods receipt, storage, goods issue, and monitoring warehouse activities.