

# Resource Handling

Ultimate Shipping Solutions

**ULTIMATE  
SOFTWARE**

## Key processes

Resource handling

Flexible management of resources

Real-time insight

Improve performance with flexible job templates

Monitor job cost with ease



### Resource handling

Through resource handling you can define, maintain, schedule and display usage of resources, including machines, employees, tools, vessels, cranes, quays, trucks, railway wagons or even sub-contractors. Resources can be attached to a task or service and be a part of the resource scheduling. A service or job order is a collection of jobs or services to be executed, e.g. stevedoring or handling a tug boat.

### Flexibly manage your resources

Resource management can give you the flexibility you need to achieve maximum utilization from your resources. You can get a quick and reliable overview of the resources required to meet customer demand by performing rough capacity scheduling, taking both finite and infinite into consideration. You also get the flexibility to schedule jobs backwards or forwards from any date. The planning feature allows you to schedule tasks for work centre groups or work centers. You can choose to either perform a job or an operation scheduling. You will be able to view the result in the Gantt chart.

### Get real-time insight into jobs and resources

Planning activities relating to resource allocation can be presented in an overview of capacity load as well as in a Gantt chart. Resource management gives you visibility into all the information you need to efficiently manage your working processes, including planned jobs and services, job start times, capacity loads, planned dates and resource availability.

Detailed job monitoring gives you a clear overview of individual work centers activities during the course of the day, so that you can assess job performance to schedule. The job scheduling Gantt chart gives you a real-time, graphical overview of your production schedule so you can make tactical, day-to-day changes that optimize the job flow. You can use the Gantt chart to easily schedule changes both within and between different work and machine centers by using simple drag and drop functionality, and see the consequences of your changes in real time.

### Improve performance with flexible job templates

You can set up and maintain different job templates (service sets), which make it easy to schedule and calculate at set of activities (e.g. manpower, machines, outside contractors) on a job. You also have the flexibility to have default job templates assigned automatically by the system, or you can choose to select them manually.

### Monitor job costs with ease

Project in Microsoft Dynamics AX™ lets you choose flexible options for recording capacity and cost consumption. You can record consumption and costs prior to the job in a forward manner using base data, or record actual consumption during the job. Consumption and costs are automatically posted into the general ledger, which cuts down on manual data entry and quickly enables you to compare actual and estimated project costs.

## Creation of services (job orders)

- Create services directly from Booking, Port Call, Round Trip, Disposition, Cranes etc.
- Manual creation of service
- Create services automatically from Round Trip scheduling

## Scheduling

- Finite or infinite capacity scheduling  
Resource scheduling can be done forward or backward with different dates as starting points based on lead time
- Rough cut capacity planning

## Job route complexity

- Simple route (sequential)
- Simultaneous jobs in route network
- Multiple work centers attached to the same operation
- Allocate a work center as a subcontractor

## Projects

- All consumption is reported through journals.
- Journals can be automatically generated and/ or posted
- Tracking actual hours and costs against estimated

## Cost tracking

- Detailed tracking of cost related to resources and throughput
- Ability to use automatic work center consumption from budget

## Gantt chart

- Graphical presentation of a production schedule
- Enables rescheduling by dragging and dropping

## Feature Highlights

- Creation of services (job orders)
- Scheduling
- Job route complexity
- Projects
- Cost tracking
- Gantt chart