



Automated Production Planning in Real Time

Artificial intelligence in production: With Advanced Planning & Scheduling (APS) from L-mobile, the “unplannable” can be planned in a flash.

Rough and detail planning

With [L-mobile APS](#), complex production processes can be mapped in real time and resources, such as personnel, machines, or tools, are taken into account at the same time.

Quick heuristic planning

For short-term planning, [quick heuristic planning](#) can be advantageous. Based on definable criteria, such as external sales order priorities, the [APS software](#) generates the best possible production flow.

Connection to your ERP system

With the [L-mobile APS server](#) and [connector](#), planning-related master data and movement data is taken directly from your [ERP system](#) and changes are written back to it.

Simulation analyses

Prepare for capacity changes and plan [parallel simulation variants](#) so that you can test and compare alternative approaches quickly and clearly in planning.

AI-based optimization

With L-mobile’s [optimization algorithm](#), it is possible to formulate a new plan based on individual target criteria in just a few seconds. All available [resources](#) are taken into account.

Manual rescheduling

The current plan can be modified quickly via [drag and drop](#) if required. The APS system checks restrictions [in real time](#) so that only valid plan variants can be generated.

Effective planning and control of your production processes

Controlling production processes is a highly complex and often very time-consuming task. In the industrial environment in particular, a large number of production orders need to be **wisely and cost-efficiently allocated** to machines, personnel, and other resources on a constant basis. But how do you use the data from the ERP system for **transparent planning**? L-mobile supports you here with a mobile solution in the form of **L-mobile production data collection** and with the **automated planning tool L-mobile APS**. L-mobile transfers all planning-related master

data and movement data from your connected ERP system in real time. The integrated **APS optimization algorithm** supports you in creating production plans of the highest quality in no time at all. With the help of various integrated analysis options, production processes finally become **more transparent** and potential improvements can be implemented efficiently. In the future, you will be able to respond flexibly to changes and plan, control, and manage your resources **efficiently** while also **adding value**.



Machines

Capacities, time model, scheduled maintenance, machine errors



Tools

Capacities, multi-tooling, setup and teardown times



Employees

Shift and time models, various qualifications, qualification level



Restrictions

Capacity, upper limits, different dimensions

We specialize in mobile solutions for digital production. You can find more information about our software and hardware solutions at:

www.l-mobile.com/production

L-mobile solutions GmbH & Co. KG
 Im Horben 7
 71560 Sulzbach/Murr (Germany)
 Tel.: +49 (0) 7193 93 12 - 0
 Fax: +49 (0) 7193 93 12 - 12

info@l-mobile.com
www.l-mobile.com/en

