SMART-GRIP

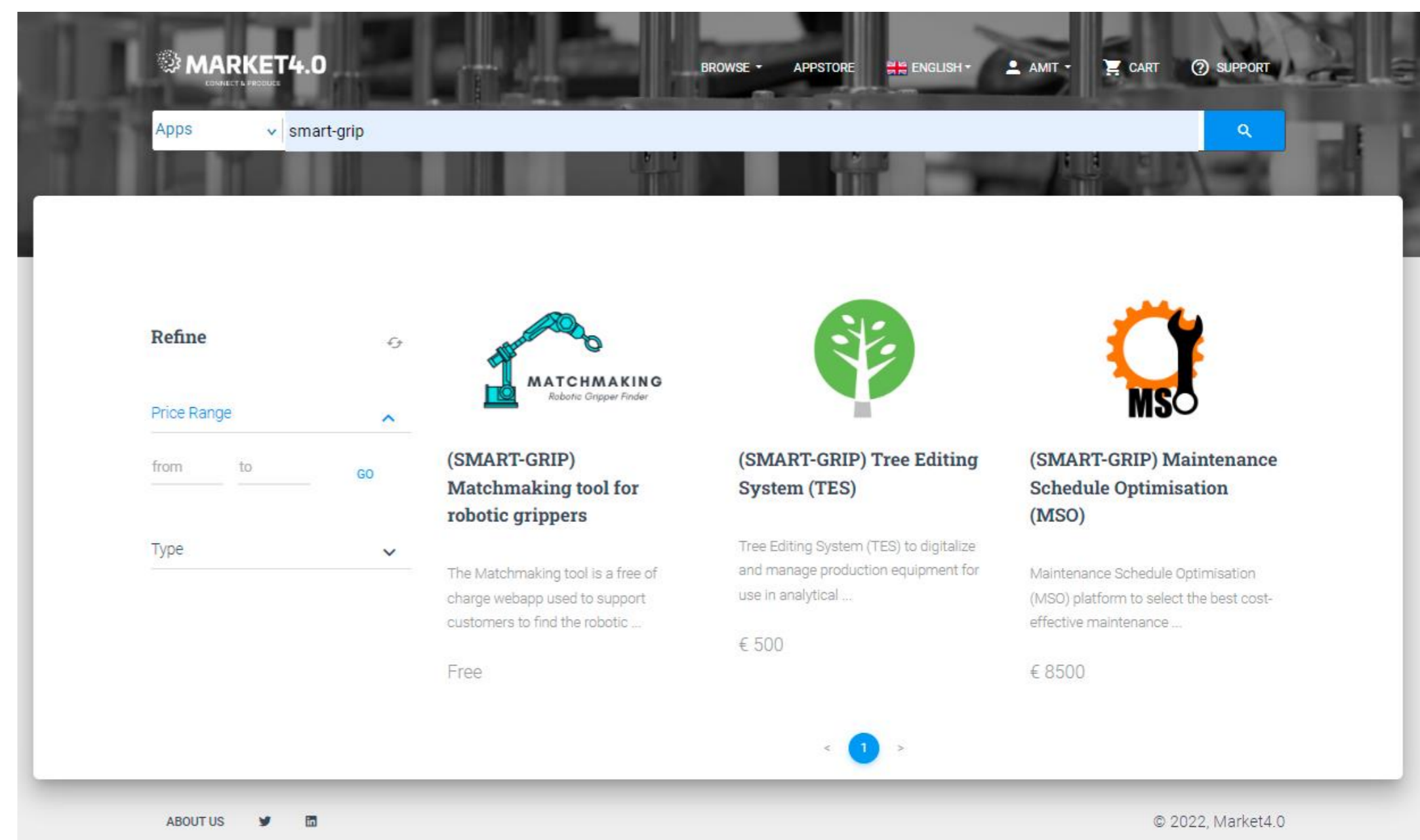Integrated Software suite for component matchmaking and MAintenance planning for RoboTic GRIPpers

Proposed applications

The applications integrated in the Market4.0 marketplace platform and are offered as external web applications, are the following:

- Maintenance Schedule Optimization (MSO)
- Tree Editing System (TES)
- Matchmaking tool for robotic grippers

Main features

MSO: Proposing of the best maintenance strategies that minimize the LCC and maximize the availability

TES: Smart management of machine's/system's components and related information

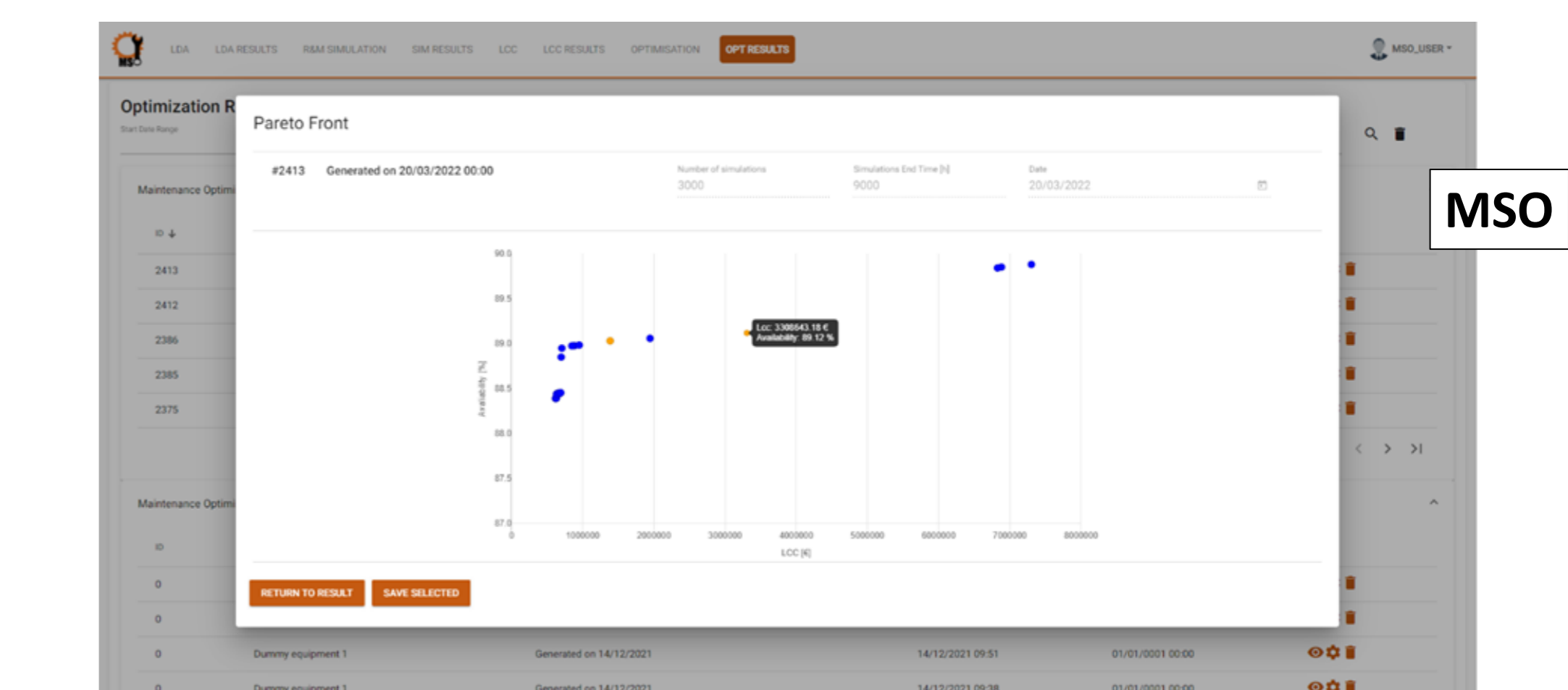Matchmaking: Finding suitable equipment, providing rough estimation of costs and delivery time.

Application validation

Relevant results achieved after validation of the project use-case:

- Equipment delivery time saving: - 25%
- Reduction of overall LCC: - 28%
- Increase of system availability: up to 98%
- Increase of level of satisfaction: > 16%

Benefits

Support for robotic systems' manufacturers and final equipment users within the procurement phases to quickly and effectively assess solutions, related costs and maintenance strategies. Reduce environmental impact and increase re-use.
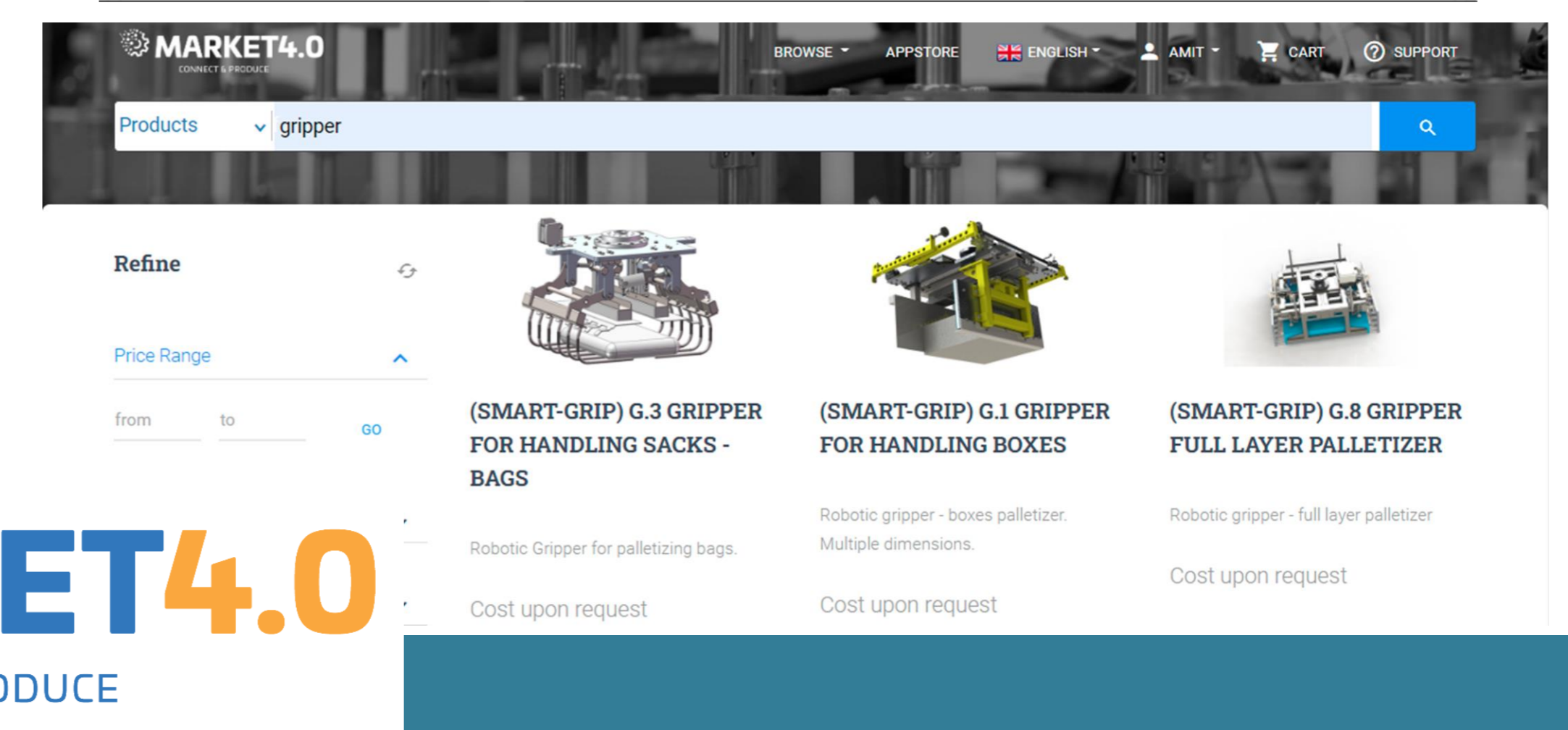

MSO

MARKET4.0
CONNECT & PRODUCE