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# A DIGITAL WORKPLACE WITH MINIMAL ERROR RATE

Jaguar Land Rover Slovakia, s.r.o.

Case study

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## JAGUAR LAND ROVER SLOVAKIA, S.R.O.

- **Industry:** Automotive
- **Number of employees:** approximately 3 500
- **Location:** Nitra



**JAGUAR / LAND ROVER**

## BACKGROUND

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Jaguar Land Rover is the largest automobile manufacturer in the United Kingdom. It uses state-of-the-art technology to produce luxury vehicles under the Jaguar and Land Rover brands. In the fall of 2018, the company opened its newest manufacturing plant in Nitra, which produces the Land Rover Discovery and Land Rover Defender.

The commitment to achieve an annual production volume of 150,000 vehicles necessitates maximizing efficiency across all manufacturing processes. The region's growing economic strength has led to a need to streamline and simplify routine processes. Therefore, the automaker has decided to utilize automation in all activities that will ensure sustained and continuous development and growth.



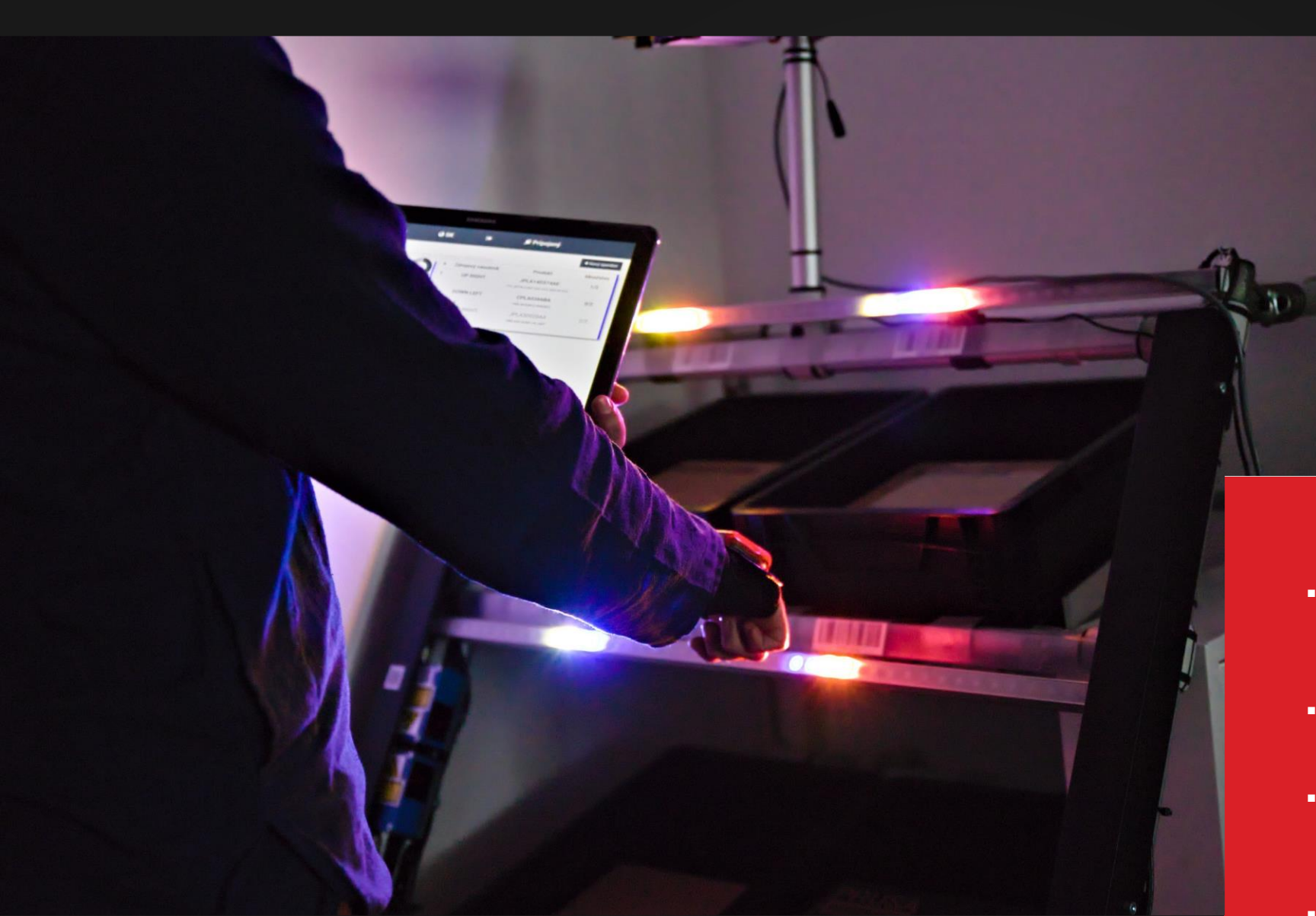
## REQUIREMENTS

- Simplification of the picking process and elimination of paper records
- Acceleration of the process of picking materials for production
- Clear guidance for workers to the storage locations of materials to be picked for a specific order
- Ability to pick multiple orders simultaneously
- Double-checking of accuracy when picking materials for an order



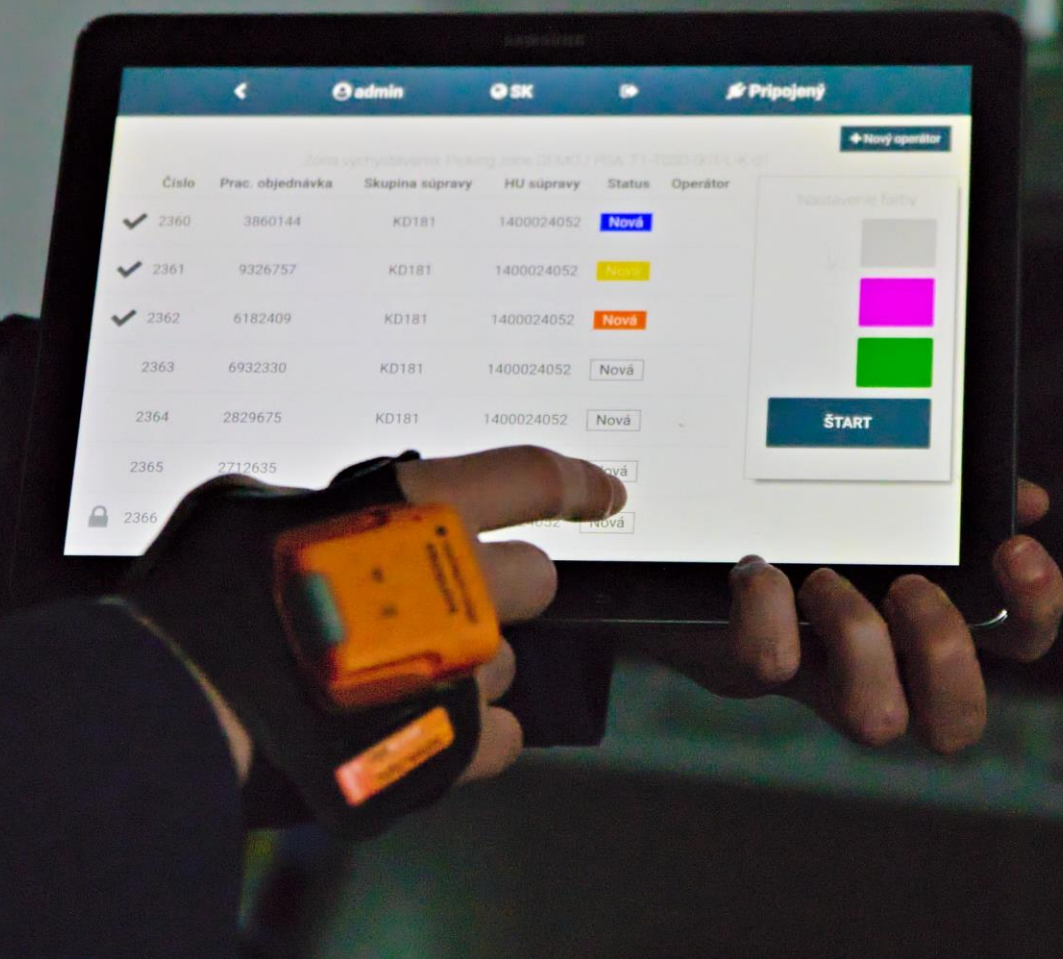
## OUR SOLUTION

- Timely and accurate delivery of materials to production based on specific orders from end customers
- Maximizing the use of workspace
- Minimizing downtime
- System solution



## PICK TO LIGHT

- Visual indication of the warehouse bin from which materials are to be picked for a specific order
- Display of the number of items to be picked from the specified bin for the order
- Streamlining the material picking process to meet the requirements of a set production cycle, known as "hands-free picking,"
- Integration with SAP and third-party systems



## BENEFITS

- Highly flexible modular solution
- Ability to pick multiple orders simultaneously
- Dual verification
- Easy to operate



## RESULTS

The implementation of the Pick-to-Light system has met expectations. The system's ease of use has significantly simplified the training of new operators and helps manage unexpected staffing fluctuations. At the same time, picking quality is maintained while error rates are minimized

- The **current error rate** is below **0.0001%**
- **450 picks** – current picking speed per hour per operator
- **30–150% increase in productivity** depending on the layout

The system ensures a smooth flow of materials into production. Visual navigation and simple selection confirmation via light beam interruption provide comfort to operators, who are not overburdened despite the high work pace

CASE STUDY



**M2M**  
SOLUTIONS

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