LABEL PRINTING SYSTEM

Presentation

LaPS (Label Printing System) is a specialized software suite for printing homologation labels: adhesive, RFID, and metal plates.

It integrates with enterprise systems to retrieve the data to be printed, enables layout management through CAD design, and manages printer settings.

Printed data can also be sent to other systems that require it for traceability.

Presented By : RADA

LaPS-PRE-RADA-0002
19 JUNE 2025

TABLE OF CONTENTS

Presenting all the features of a software like LaPS in a single presentation is extremely complex and risks overlooking important aspects. For this reason, in the slides of this presentation, we will only touch on selected topics, deferring a more in-depth discussion to a later stage.

THE PURPOSE OF LaPS

LaPS enables manufacturing and logistics companies to automate and centralize the printing of labels, RFID tags, A4 documents, and metal plates, integrating seamlessly with ERP, MES, and WMS systems.

Thanks to its integrated 2D CAD, printer management capabilities, and data traceability features, LaPS ensures streamlined processes, fewer errors, and greater control.
With LaPS: Full automation Real-time traceability Adaptability to various formats and devices

Without LaPS:

- Manual errors in printing
- Slow and non-traceable processes
- Difficulty integrating with different systems and printers

With LaPS:

- Full automation
- Real-time traceability
- Adaptability to various formats and devices

Back to Table of Contents

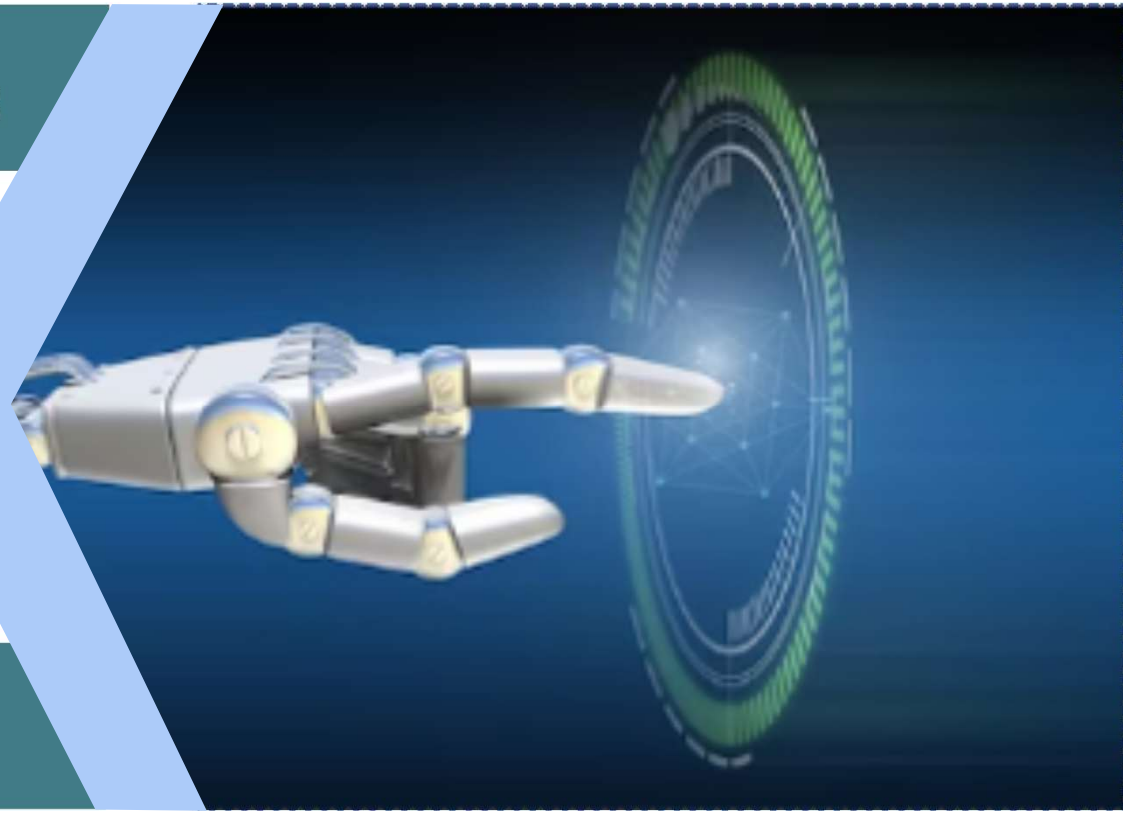
WHY LaPS

01 Reduces the complexity of industrial printing

02 Enhances process control

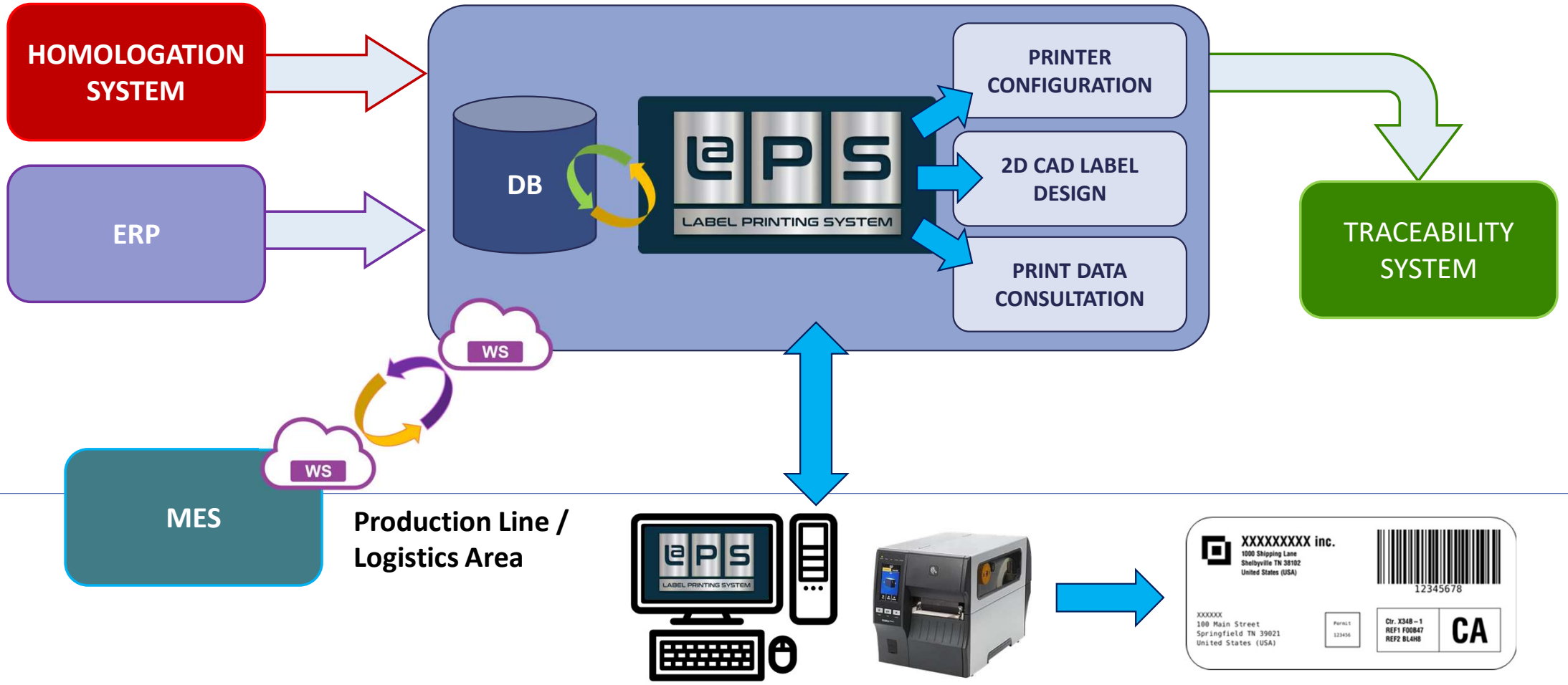
03 Seamlessly integrates with existing company systems

04 Fewer errors
More control
Stress-free printing



Back to Table of Contents

DATA FLOWS, INTERFACES AND FEATURES



Back to Table of Contents

KEY FEATURES OF LaPS

1. AUTOMATED DATA ACQUISITION FROM ENTERPRISE SYSTEMS (ERP, MES, WMS)

LaPS implements automated data acquisition from ERP, MES, and WMS systems, enabling a continuous and structured flow of information across management, operational, and logistics levels.

This approach reduces manual activities, increases data reliability, and improves traceability and process control in production environments.

2. LABEL DESIGN WITH INTEGRATED 2D CAD

LaPS enables label design through an integrated 2D CAD tool, allowing precise creation of both graphical and functional layouts.

This includes the management of codes, variable fields, and customizable templates, ready to be integrated into printing workflows.

01

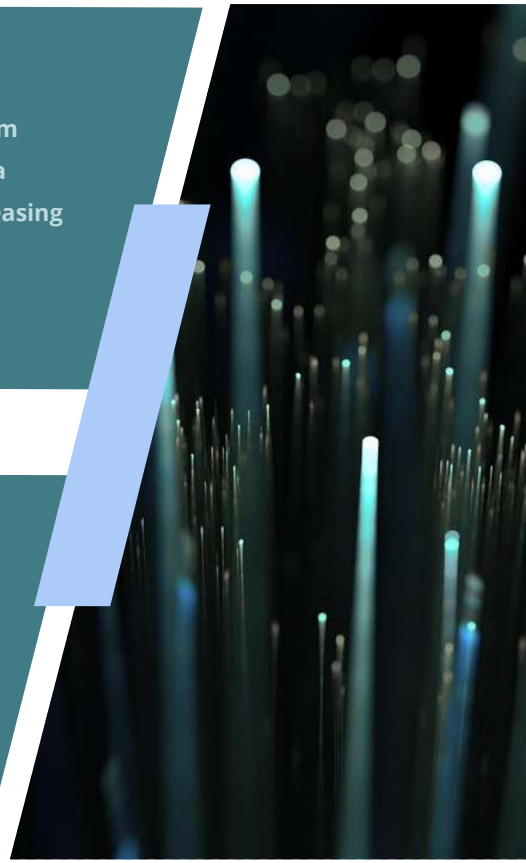
AUTOMATED DATA ACQUISITION

The automatic acquisition of data from ERP, MES, and WMS systems ensures a reduction in manual tasks while increasing the reliability of processes.

02

LABEL DESIGN

With LaPS, labels can be designed using the integrated 2D CAD, enabling the creation of customized and precise graphic layouts.



Back to Table of Contents

KEY FEATURES OF LaPS

3. CENTRALIZED CONFIGURATION AND MANAGEMENT OF PRINTERS

LaPS enables centralized configuration and management of industrial printers, including remote control of printing parameters, real-time device status monitoring, and automated distribution of layouts and settings.

This ensures consistency, traceability, and reduced operational downtime.

4. PRINTING OF ADHESIVE LABELS, RFID, A4 DOCUMENTS, AND METAL TAGS

LaPS allows centralized and automated printing of adhesive labels, RFID, A4 documents, and metal tags.

It supports various materials and printing technologies (direct thermal, thermal transfer, laser) to meet identification, traceability, and compliance requirements in complex production environments.

03

PRINTER CONFIGURATION AND MANAGEMENT

Centralized configuration and management of printers ensure consistency and traceability across all printing processes.

04

LABEL PRINTING

Automated printing of adhesive labels, RFID, A4 documents, and metal tags to meet the most demanding identification and compliance requirements in industrial settings.

Back to Table of Contents

KEY FEATURES OF LaPS

5. MONITORING OF COMPLETED PRINT JOBS AND TRACEABILITY DATA TRANSMISSION TO ENTERPRISE SYSTEMS

LaPS enables real-time monitoring of completed print jobs, with automatic logging of critical data (content, timestamp, device, operator), and structured transmission of traceability information to enterprise systems (ERP, MES, WMS).

This ensures full control, traceability, and compliance with regulatory and quality requirements.

6. INTEGRATION WITH DATA FLOWS AND WEB SERVICES (SOAP, REST)

LaPS provides native integration with enterprise data flows and web services (SOAP and REST), enabling bidirectional communication with external applications, real-time data exchange, and interoperability among heterogeneous systems within the industrial IT architecture.

05

MONITORING OF COMPLETED PRINT JOBS

Real-time control of completed print jobs, with automatic recording of relevant data and integrated transmission of traceability information to enterprise systems, ensuring compliance, quality, and full process traceability.

06

DATA AND WEB SERVICES INTEGRATION

Support for SOAP and REST protocols for real-time data exchange and seamless interoperability with enterprise applications and heterogeneous systems.

Back to Table of Contents

LaPS - BENEFITS

01 Operational Efficiency

automation of printing processes, reducing errors and management time

02 Complete Traceability

full traceability of print jobs and data transmission to enterprise systems

03 Flexibility and Compatibility

the system supports the most commonly used printers, print languages and label formats in the industrial sector

04 Cost Reduction

optimization of printing processes and reduction of material waste

Back to Table of Contents

THANK YOU

The RADA technicians of the LaPS Team will be happy to answer your questions and requests for clarification.
Don't hesitate to contact us for a demo of the software and to design together the implementation steps of LaPS in your company

PHONE NUMBER

+39 011 9566988

EMAIL ADDRESS

rada.products@rada-mdm.it

Presented By : RADA