# WMS
## suite by prodware

# THE LOGISTIC SOLUTIONTHAT ENHANCES YOUR PRODUCTIVITY
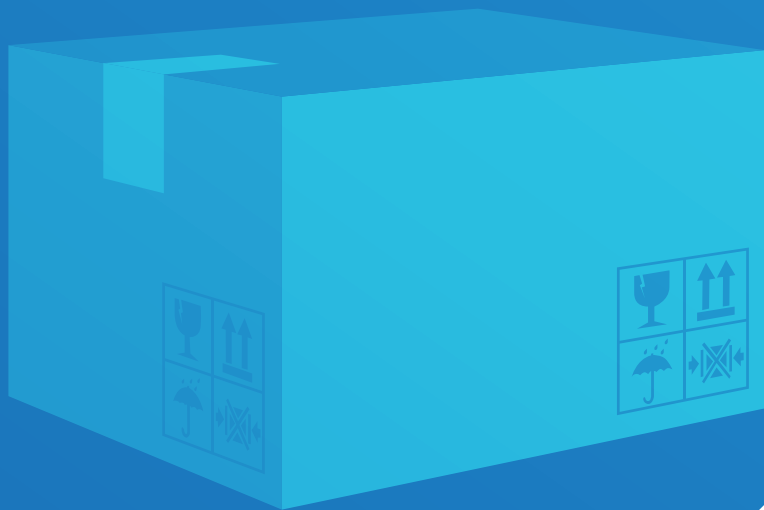
## prodware

# Our research and development strategy: to be the most innovative IT solutions integrator

"Prodware's software development strategy is centred around the leading ERP platform, Microsoft Dynamics, enhancing it with innovative solutions to fulfil business requirements and the needs of specific industries."

Alain Conrard
General Director - Prodware
CEO - Prodware Group
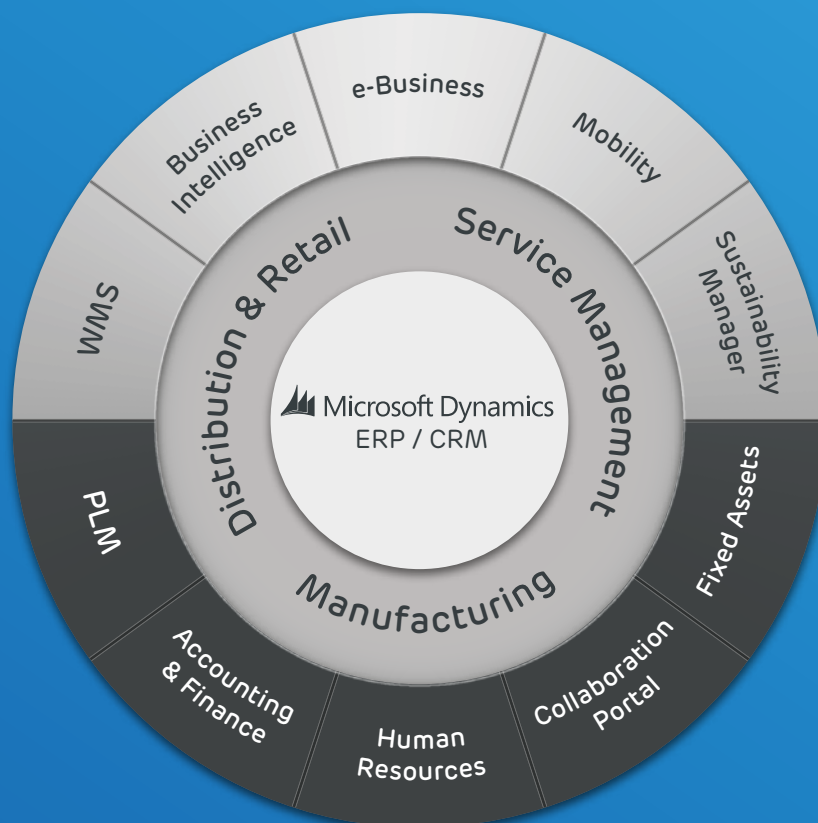
CERTIFIED FOR
Microsoft Dynamics
**

# WMS

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For Microsoft Dynamics NAV and Sage ERP X3

## Do you believe that a warehouse is nothing more than a storage place?

While logistics used to be considered as a necessary means to convey products, it is now at the heart of projects.

To be competitive, a company needs to set up manufacturing and sales systems to:

> Enhance the occupation and productivity rate

> Enhance the processes' quality and reliability

> Deal with priorities by being rationally organized

> Improve customer service and traceability

> Deal with each situation

WMS suite can be tailored to your needs, whether on-demand, in Application Service Provider (ASP) mode or in Software as a Service (SaaS) mode.
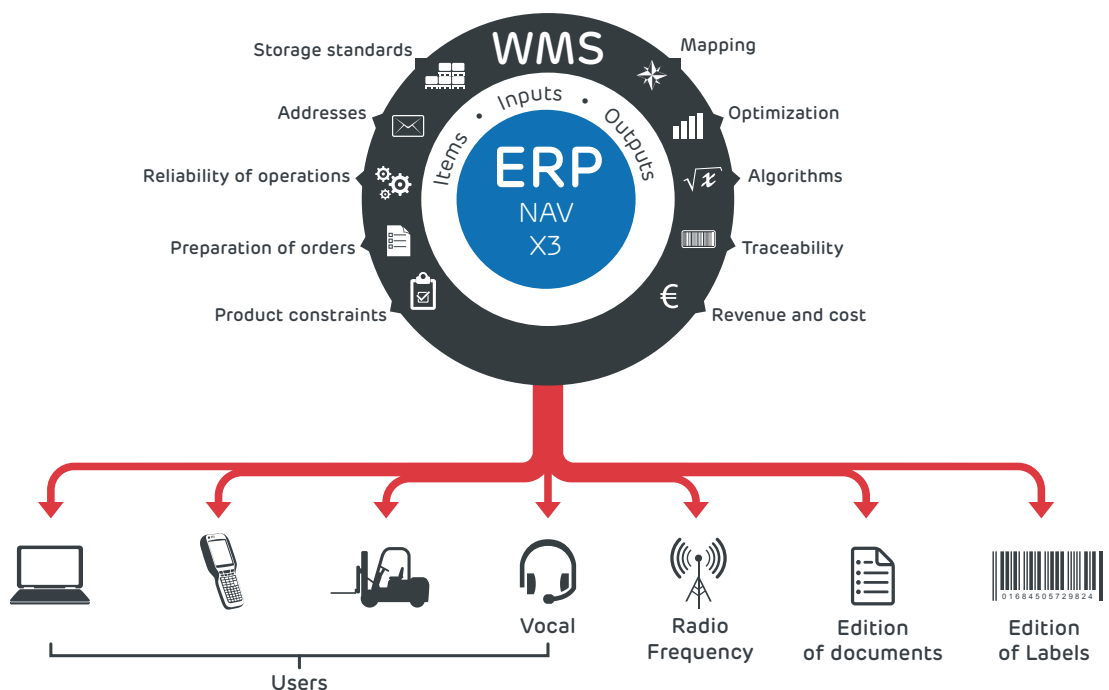
# WMS
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## For whom?

RETAILER WITH A STORAGE STRUCTURE

MANUFACTURER WITH A STORAGE STRUCTURE
FOR RAW MATERIALS/FINISHED PRODUCTS

LOGISTIC SERVICES

DOCK WORK WAREHOUSES

## Types of operations

EXPORT
Management of exports (reception, vanning, container)
AP + interfaces and monitoring of customs statuse

IMPORT
Management of import operations (devanning, claims, ancillary
services, etc.)
AP + interfaces – arrival of customs statuses

TEMPORARY STORAGE

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Too many projects to set up an ERP-connected WMS application are still heavily impacted by costs, deadlines and reliability issues because they require the implementation of ERP management rules compatible with the constraints of physical flows.

The WMS suite configurator is directly integrated into your Microsoft Dynamics NAV or Sage ERP X3 ERP. The management rules are natively embedded and activated according to the selected functional scope.

Microsoft Dynamics NAV          Sage ERP X3

# Your selection criteria
**To guide you towards the right solution for your business**

### Integrated native connector
WMS suite is directly connected to your Information System. The data is extracted from your ERP. You can update them in real time. The connector also enables communication with conveying, voice preparation and scales systems among others.

### User-friendliness
WMS suite is a Warehouse Management System meant to be used by business operators with no specific computer skills. The application's general ergonomics make it easy to take in hand. As most of the information come from your ERP, the application is easy to configure. WMS suite includes a management console; you can also directly manage it from the ERP.

### Project methodology
No matter which software package you choose, it will be implemented differently according to its number of users and to the level and number of features to deploy.

### New practices
Cloud, mobility, collaborative portals and social networks are becoming essential to the company's productivity. You need to communicate with customers, suppliers, partners and colleagues... in a simple, familiar, intuitive, standardized and secure environment.

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## Main advantages

Get the advantages of a business software solution while benefitting from a well-proven technology and from a functional coverage that meets companies' expectations.

### Basic data
WMS suite performs the following different functions:
- Management of storage addresses: single and multi-reference, according to storage types (bulk storage, deep lane storage, discrete order picking, pick and pass order picking, advanced preparation, sample and overhangs)
- Management of items and of their different information classes.

### Reception and storage
WMS Suite sets the basis for the assignment of reception docks and hours and manages quantities, tracing data, quality, weights and best-before-date agreements.
WMS also manages waiting areas and storage according to packing, order line or order. Storage or picking locations are searched automatically or manually, according to proximity and/or to set management rules.

### Scheduling and preparation
WMS enables you to manage the portfolio of orders to prepare according to demand and aggregates by zone, round, volume, shipping docks, shipment date and hour, etc.
WMS suite also integrates direct and indirect flows through pickings, automated resupplies of threshold or batch pickings, advanced pickings for special operations, pre-packing and cross-docking. WMS suite also offers you the possibility to integrate voice picking and mechanization.

### Shipment
WMS suite monitors the allocations to carriers according to the number of packs, to the weight, volume and place of reception of the goods; the suite also issues carriage documents and makes out pro forma carriage invoices. As the labels are bar-coded, the goods can be loaded in a more reliable manner.

### Inventories and internal movements
Inventories are performed according to stock owner, location or set of locations, items, suppliers, best-before-date agreements… It can be rolling, general and carried out through mobile devices. WMS suite enables the generation and control of the internal movements according to multi-criteria selection, allocation, resupply, re-vanning, displacement and quarantine bases…

### Monitoring of activity and traceability
Traceable data are collected or checked from the entrance of the goods into the warehouse until their shipment. Goods are fully traceable, which means that any movement or action performed on them is filed. WMS is a means to manage and monitor business activity in real time.

### Pre-invoicing and margins
WMS suite enables you to pre-invoice logistic operations and to calculate your margins.

# WMS
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## WMS suite - Features

### Management of addresses
- Continuously or alternatively numbered locations, storage (single and multi-reference), bulk storage, deep-lane storage, discrete order picking, dynamic picking (pick-and-pass order picking).
- Advanced preparation, reception and shipping docks.
- Mapping, graphic display of rotation classes, highlighted on-going movements.
- Stock displayed according to the calculated and performed movements, followed-up movements, data displayed and extracted according to several criteria.

### Management of items
- 20-alphanumeric-character code + external code, short and long names, classifiable according to department and shelf, and to category and sub-category.
- EAN identification, constraints (weight, volume, dangerousness, fragility, color).
- Management according to: FIFO, lightened FIFO, LIFO, type of flow, compound item (list), storage algorithm by warehouse, sales minimum and palletizing.
- ABC classification, management of the different weights, batch numbers and serial numbers, management of each item's status.

### Management of rights and resources
- Monitoring of the loading and Monitoring table according to location, function and statistics.
- Read or write access authorization, or refused authorization to the different functions for each user (login/password).

### Management of transport
- Management of carriers and transport pre-invoicing module.
- Management of price list and carrier suggestion according to scheduled shipping.
- Management of rounds, and assignment of clients to each round.

### Management of packing units
- Management of packaging systems, instructions, outstanding balance per service provider, carrier and addressee, and possibility to identify the numbers of the held containers.

### Management of receptions
- Display of order portfolio, scheduling of arrivals, arrangement of appointments, possibility to edit blank or filled out reception notes, input of deliveries (control/acquisition of the quantities, best-before dates, best-before-date agreements, weights, batch and serial numbers, etc.).
- Statement of reception packs, control of delivered palletizing plans, management of customer returns, labeling of incoming items or use of existing labels.

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## WMS suite - Features

### Storage management
- Launching of storage according to order, item and/or pack.
- Storage according to several algorithms: replenishment picking, proximity picking, preferred placement, filling up of a storage location according to type of good, hand placing. Management of quarantines and batches of goods, real-time validation, control of barcodes, filling- up of storage locations until maximum weight is reached, management of abnormalities, sampling and re-vanning.
- Configuration and sizing of storage mission according to business activity, location and type of movement.

### Picking
- Configuration of picking algorithms according to business activity and client.
- Management of portfolio of orders to pick, order scheduling (allocation of carrier, modification of rounds and assignment of a shipping dock), simulation of breaches before picking, edition of carriage bill, launching of the picking with one picker or more per order and wave.
- Homogeneous and heterogeneous flows of pallets, detailed picking and pickers' accreditation.
- Grouping / splitting of the different parts of an area, possibility to group "n" orders for an addressee, grouping of the small orders to several addressees, management of pre- and post-packing, picking according to order, item ("n" orders), break-up and packing.
- Picking on a platform and allocation of locations according to wave.
- Configuration of the types of orders to manage (normal, promotional, specific, urgent, export, etc.)
- Management of the break-ups and remainders, advanced picking, selection of type of order flows (specific action, call for bulk orders, fair), configuration of the picking re-supply methods.
- Traditional, mechanized and voice picking, possible edition of the picking documents, control of the remaining stock in the location while the performing the picking, real-time validation.

### Shipment
- Possibility to change carrier or round until the loading begins.
- Edition of delivery notes, packing lists, lists of dangerous goods, generation/edition of travel vouchers, mixed packs (optimization / traceability) and control of loading by reading the barcode.
- Management of goods that remained on dock and partial delivery notes.

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## Inventory and internal movements

- General and rotating inventory according to location range (aisles, facades and heights), item, supplier, batch number, best-before date, reception date, free locations, generation of the inventory controls of quantity, percentage and value adjustments and inventory validation and valuation. Use of radiofrequency to perform inventory.
- Displacing from one location to another, on the same warehouse or from one site to another. Movements initiated by the operators or by the system according to different algorithms. Allocation of stock to specific purposes or reallocation to general purposes, change of quarantine (manual and automated), picking replenishment outside picking waves, generation of movements that free up locations and new laying out of the picking zones...

## Monitoring of business activity

- Display of each traceable element of the stock (batch number, Serial Shipping Container Code, etc.) according to location, group of locations, functions and types of addresses, supplier, owner, business transaction, quarantine. Display according to storage site – either individually or globally –, stock level (warning), best-before date, reception date and item classification elements (line, universe, etc.).
- Possibility to cross these criteria and extract the desired piece of information.
- Display of warehouse occupancy rate according to aisle, location function, empty or blocked location, discrete or non-discrete picking, etc. Display of dashboard and management of incidents (broken or missing items).
- Availability of several standard statistical statements, easy extraction of dynamically displayed data in the application's several tables and use of Business Intelligence Suite.

## Traceability

- Total traceability through EAN 128, EAN 13, SSCC, support code, batch number, process number, transaction number and serial number.
- Configured collection of compulsory information, display and extraction of ongoing movements, record keeping of goods from entry to shipment. Quick reconstitution of each package's journey, including its deconditioning and reconditioning, stakeholders' identification, journal of reported incidents.

## Radio frequency terminal

- Use of login and password to log on and manage rights (allocation of some missions, compliance within the business areas, localization of the next mission, etc.), input received items, control and state packages to store, automatically or manually search their destination, release storage (including management of incidents), display stock level, perform picking of orders (including generation and/or release of picking replenishments), optimize use of packages, control loadings and perform inventories.
- Possibility for radio frequency operator to work without being interrupted.

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## WMS suite - Features

### Management of warnings (option)
- Statement of product warnings, management of the different warning levels by blocking the entries, closing investigated products' storage locations, blocking ongoing order pickings and making sure that already filled up packages will not be loaded.
- Selective call-back process according to elements of traceability, targeting an exhaustive number of addressees.

### Pre-invoicing module and logistic costs
- Pre-invoicing of handling operations
- Pre-invoicing of storage and docking
- Valuation of production costs
- Margin state per file (export/import flow

### EDI
- EDI FAT
- AP+

# WMS
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## Productivity improvements

### VOICE FOCUS

**Voice terminal**

**Voice picking**

**Storage
with control of key**

**Improvement of picking
quality (free hands)**

**Improvement
of productivity**

**Reduction
of training time**

**Improvement of security:
free hands and free eyes**

**Elimination of lists**

**Return on investment
inferior to 12 month**

# The Services we offer

Implementation methodologies adapted to your requirements

| | | |
|---|---|---|
| USE PROVEN BUSINESS APPLICATIONS. OPTIMISE COSTS AND IMPLEMENTATION TIMESCALES | → | **Business applications Deployment Methodology** |
| DEPLOY A CUSTOMISED SOLUTION BASED ON YOUR INDUSTRY'S BEST PRACTICES | → | **Project Deployment Methodology** |
| DEPLOY BUSINESS SOFTWARE INTERNATIONALLY, CONSOLIDATING YOUR INFORMATION AND KNOW - HOW | → | **International Deployment Methodology** |
| SIMPLIFY YOUR UPGRADE AND BENEFIT FROM THE LATEST FEATURES TO INCREASE YOUR PRODUCTIVITY | → | **Upgrade Methodology** |

## Choose the level of assistance, training and services to suit you

**Training & Assistance** online or on-site, to help your employees become more productive and see their skills grow.

**Third Party Application Management** to guide your employees towards high-value-added performance with a high level of security guaranteed.

**Your extranet :** www.myprodware.co.uk
> Accessible 24/7
> Key access and authentication
> Personalized email alerts
> Satisfaction surveys
> Product news
> Events

**Financing**
Prodware can introduce you to finance options in order to suit each company's requirements.

With over 10 years' experience in this area, Prodware has designed products and services specifically for WMS businesses:

> Software integration
> Dedicated equipment integration
> Infrastructure
> Headquarters and office support
> On-site support
> Site deployment and migration

# Traditional infrastructure or Cloud deployment

Our expertise in infrastructure management, integration and hosting enables us to deliver the complete range of application solutions in order to support your growth no matter what your company's strategy and requirements are:

• **Traditional** solutions deployed on premise
• **EasyCloud** solutions hosted on a shared platform
• **CustomCloud** solutions hosted on a dedicated platform

On Premise

cloud adjust

| APPROACH | **Traditional** | EasyCloud | CustomCloud |
|---|---|---|---|
| FINANCE | Investment | Pay-per-use | Pay-per-use |
| CORE & INNOVATIVE SOLUTIONS | Leased or perpetual licence | Included | Leased or perpetual licence |
| SERVICE LEVELS | Customised | Standard | Customised |
| RESOURCE LOCALISATION | Customer | Prodware Datacenter | Prodware Datacenter |
| TECHNICAL SUPPORT | Service contract | Included | Included |
| SECURITY | ✱✱✱ | ✱✱ | ✱✱✱ |

## TYPES OF ACCESS ADAPTED TO YOUR FINANCIAL AND TECHNOLOGICAL OBJECTIVES:

### IT MANAGERS

• A customised solution: from the traditional approach to Cloud models, our options fit your IT strategy
• Business requirements taken into account: our expertise in Infrastructure ensures that we can customise our offerings and guarantee you the high availability levels expected
• Gain the benefits of new technologies: Prodware has the right certifications for the leading hardware and software platforms

### DECISION MAKERS

• A market-leading range of offerings from an experienced systems integrator
• On-premise solutions: the traditional mode of deployment, customisable to fit your strategic requirements
• Cloud Adjust solutions: a pay-per-use fee without hidden costs with SLAs

# WMS Suite clients

Reca peintures has been selling its own manufactured paints for 30 years, either directly or through do-it-yourself superstores.

The Duarig Company has been in BALBIGNY (Loire) since the mid-1950s and is the first French equipment manufacturer to have direct relationships with clubs.

Robert Lye équitation, which was founded in 1923, is the retailer of the best horse-riding brands.

Three generations have been taking part in creating and developing the company's activities and ensuring the company's long-lasting presence on several markets (spare parts for motorcycles, leather accessories, electronic components and connections, vehicle signaling, etc.).

Since 1938, the purpose of Eric Bur's team has been to have the company's customer discover the world's culinary wealth and diversity.

# prodware

## Prodware in figures

€ **186 M€**
PRO FORMA
TURNOVER 2012

**1,700**
EMPLOYEES

**N°1**
MICROSOFT DYNAMICS
(EMEA)

**+20,000**
CUSTOMERS

**14**
COUNTRIES

LISTED ON **ALTERNEXT**
(ALPRO)

**42**
OFFICES

Founded in 1989, Prodware Group is a major player in IT services integration. It is located within a specific niche, tightly combining IT mastery and business management ex- pertise. Its directors, themselves from management and IT backgrounds, have made it clear from the very beginning that they want to assist company managers by providing high-value-added service and advice.

Faced with constant technology changes, the Prodware teams are ever ready to suggest a global services offering to meet your requirements, however large or small your company is and whatever requirements you have. Prodware has grouped teams of professionals together to bring you exactly the right answers.

PRODWARE HAS ESTABLISHED AN INTERNATIONAL DIVISION TO DELIVER THE SAME HIGH-QUALITY SERVICE ACROSS THE WORLD. OUR INTERNATIONAL SUBSIDIARIES AND OUR GLOBAL ALLIANCE NETWORK ENSURES THAT YOU CAN DEPLOY YOUR SOLUTION IN MORE THAN 75 COUNTRIES.

• Work with one partner across many countries
• Use Prodware's technical expertise everywhere
• Benefit from Prodware's Quality Assurance
• Take individual country specifics into account (taxation, laws)
• Have applications supported locally (cost effective, close proximity)
• Deploy consistent procedures and solutions
• Control your costs with an international contract with Prodware

# Prodware's global coverage



Prodware Offices
Global alliance and partner network

UK – 13/01/14
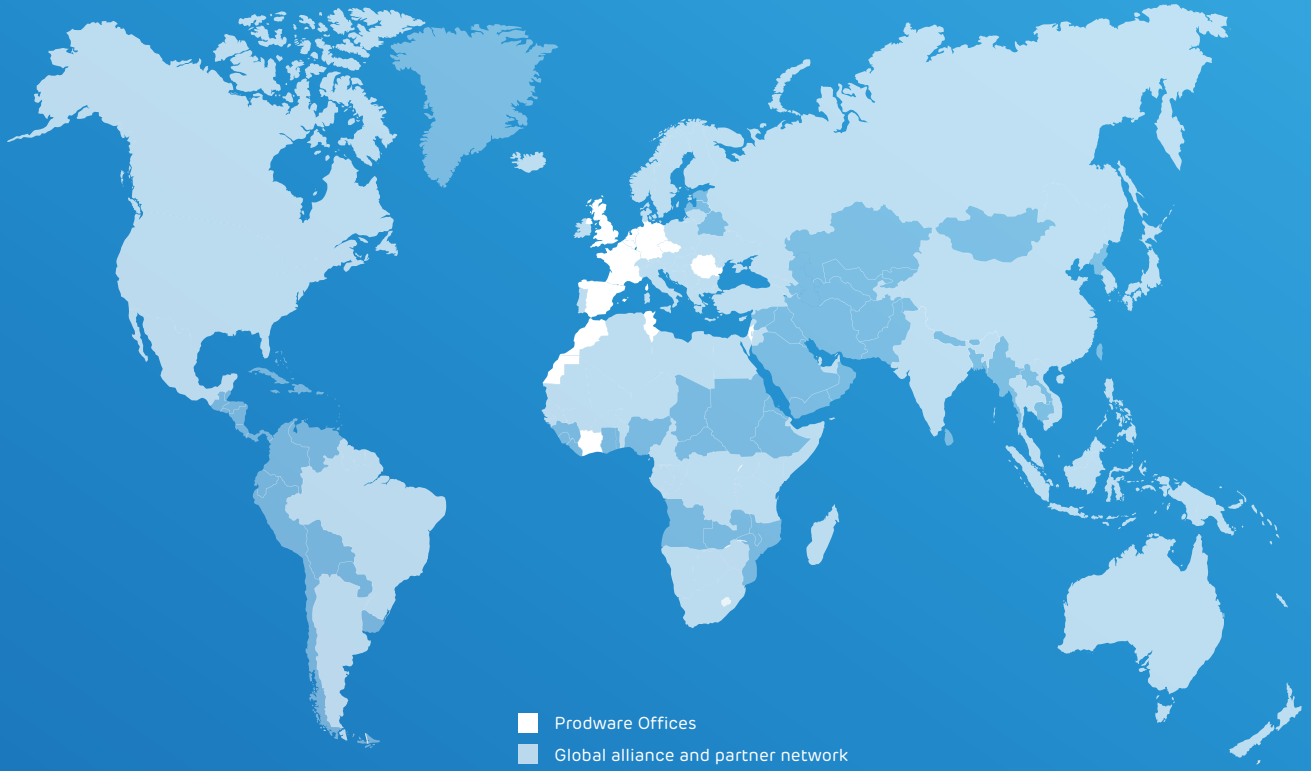
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