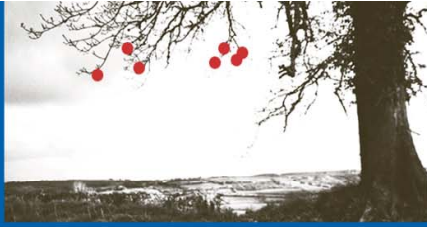


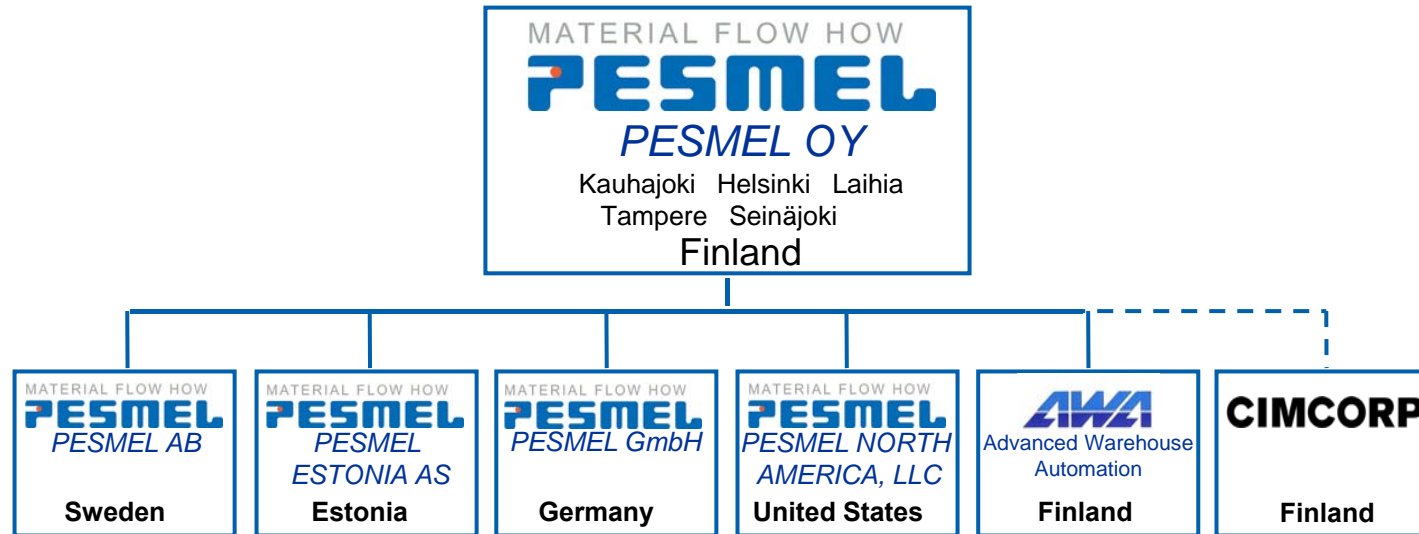
# COMPANY PRESENTATION





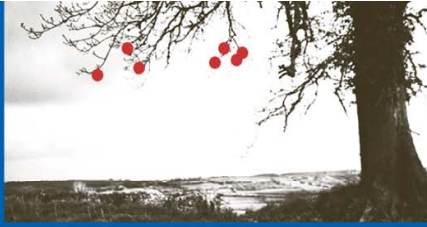
# PESMEL GROUP

A group of companies with solid material handling know-how

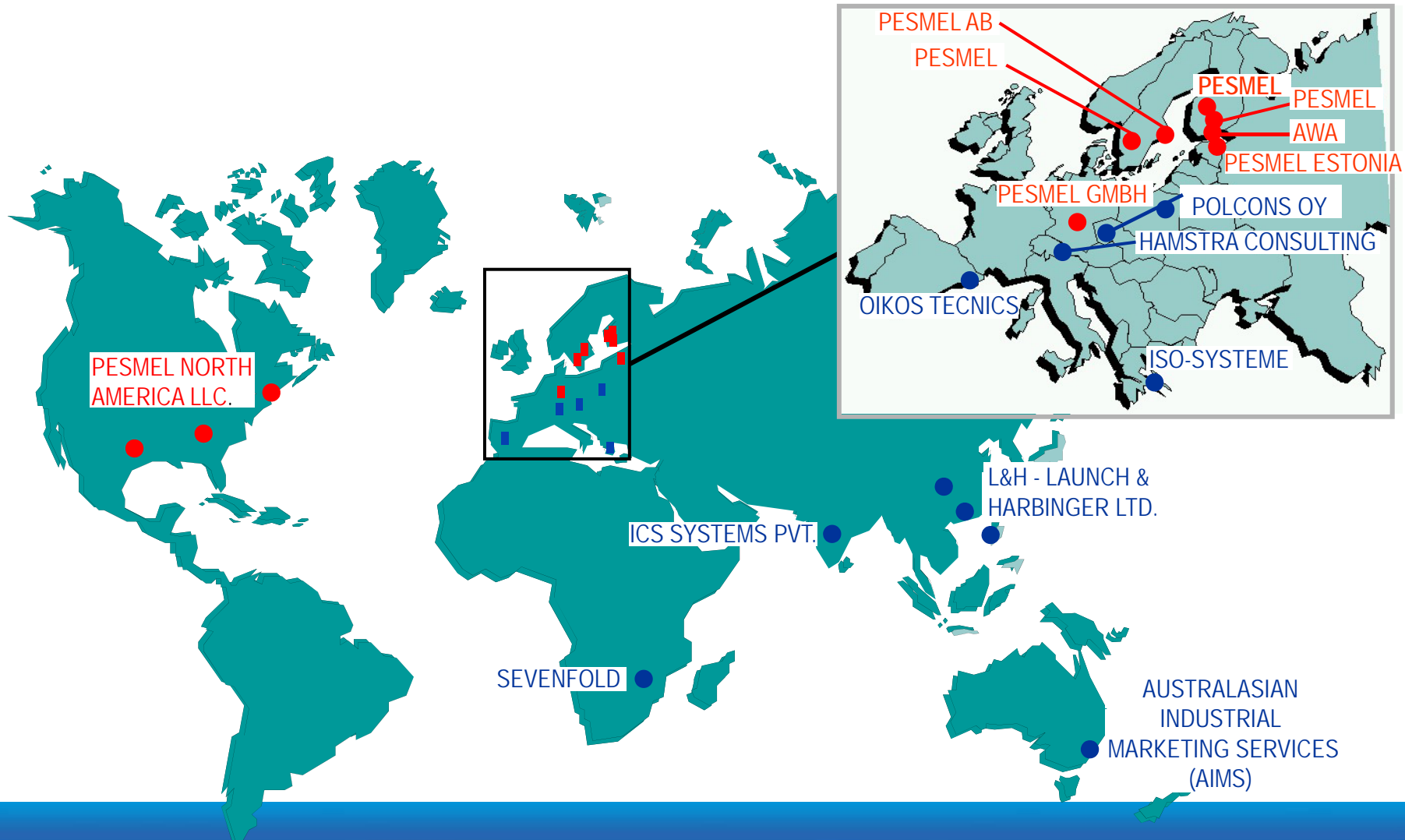


## Agencies

<b>AIMS</b> Australasian Industrial Marketing Services Australia	<b>Hamstra</b> Consulting  Switzerland	<b>ICS Systems</b> Pvt. Ltd.  India	<b>Iso-Systeme</b>  Greece	<b>Polcons Oy</b>  Poland, Czech Republic, Slovakia	<b>L&amp;H –</b> Launch & Harbinger Ltd. China, Taiwan, Hong Kong	<b>Oikos Tecnicos</b> 2004 S.L.  Spain	<b>Sevenfold</b>  South Africa
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## PESMEL GROUP ON MAP

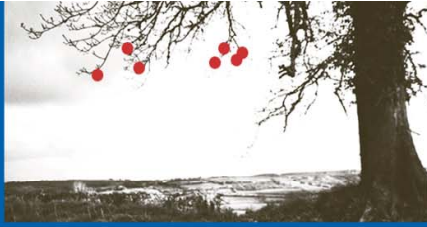




## PESMEL GROUP

- Pesimal is a globally operating supplier of highly automated materials handling systems for the paper, metal and piece-goods industries.
- We deliver comprehensive handling and packing systems, storage and cargo handling systems and automation control.
- The company was established in 1978 and today it employs ca. 140 professionals and also we have a worldwide network of subsidiaries and agents.
- The turnover of Pesimal in 2006 was ca. EUR 30 million.





## **AWA Advanced Warehouse Automation OY**

**AWA Advanced Warehouse Automation Oy provides fully integrated customised turn key automated systems from single source all the way from engineering to start-up and after sales services.**

**AWA is a leader in high performance and high availability warehousing and distribution systems serving paper, converting, basic metal and food & dairy customers worldwide.**

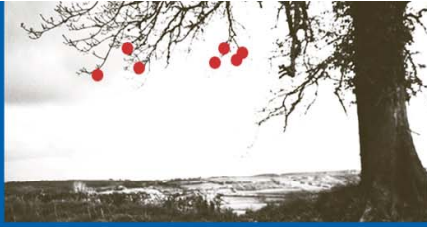
**Our automated solutions are used in a large variety of sorting, buffering and delivery processes.**

**We are focusing at purely customer specific applications.**

**AWA systems are based on equipment and reliable technology utilised in several various storage system applications.**

**AWA has supplied more than 120 customised storage systems including over 200 stacker cranes since the 70's.**



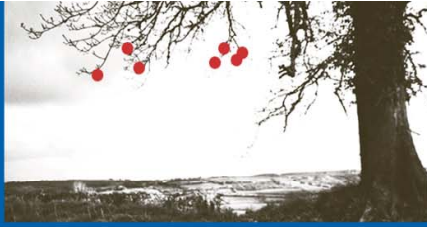


## AWA Advanced Warehouse Automation Oy

### AWA Solutions

- 516 m storage system with three stacker cranes
- System handles all material transfers of the cold rolling line
- Buffer capacity 2,000 x 30 tons
- Loading & unloading systems included





## BUSINESS AREAS

### Paper and Converting



### Metal Industry



### Piece Goods Handling



### Automated Cargo Handling

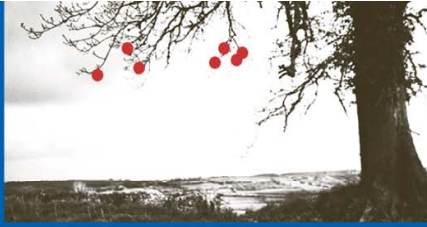


#### Automation

- Control systems
- Monitoring systems and user interfaces
- Ethernet, Profibus, ASI etc. buses
- Installation and start-up

#### Services

- Project management
- Product developing
- Start-up & training
- Maintenance and updating



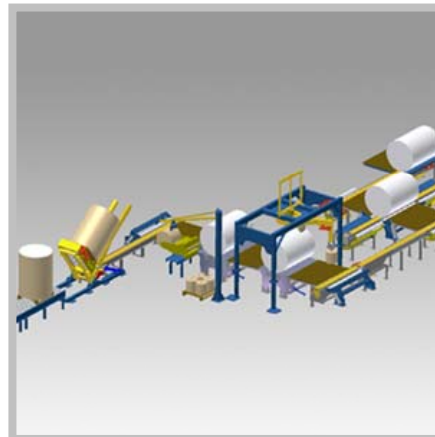
## PAPER AND CONVERTING INDUSTRY

Pesmel solution range comprises reel and pallet handling, packaging and accessories.

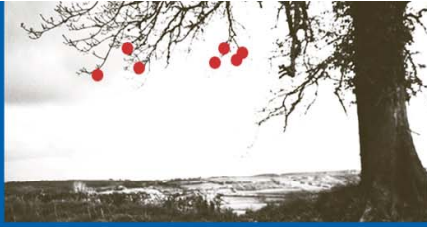
The systems are capable of handling all different paper qualities, even the most sensible ones.

The packaging method is stretch film wrapping that gives excellent protection against moisture, dirt and punctures.

In our production range there are different packaging methods according to paper quality and further treatment of the product.







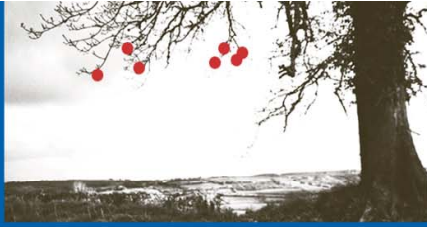
## PAPER AND CONVERTING INDUSTRY

**AWA has built numerous automated roll storage systems for paper industry and converting.**

**They are fully integrated to the process and provide high performance and availability.**

**Our solutions cover all material flows and roll dimensions and the product range can also handle pallets together with rolls within the same system without any slave pallets.**





## METAL INDUSTRY

**Pesmel solution comprises coil and sheet handling, packaging and accessories.**

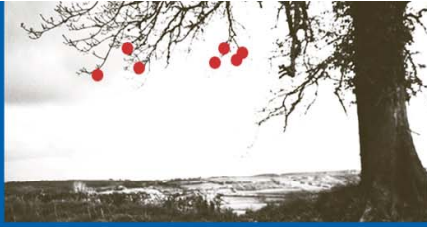
**Automated film roll changing, through-the-eye coil wrapping and spiral wrapping for sheets provide hours of unmanned operation.**

**The principal packaging method is stretch film wrapping that gives excellent protection against moisture, dirt and mechanical damages.**

**Pesmel system is the perfect solution for steel, stainless steel, aluminium, copper and brass.**



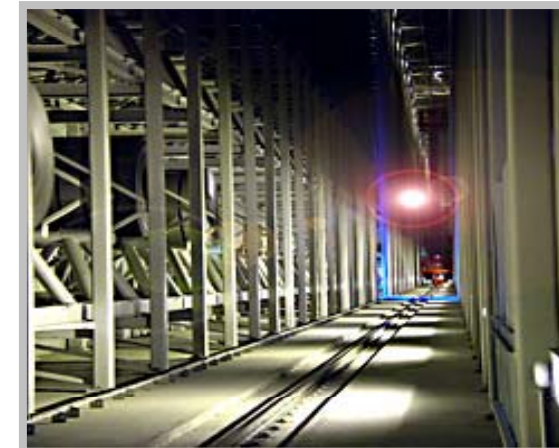


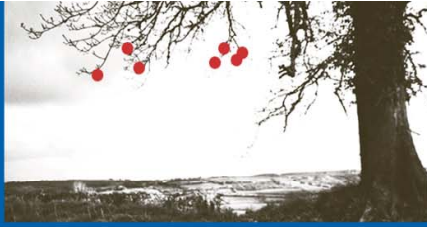


## METAL INDUSTRY

Mechanical equipment, machine level controls, and computer systems all must meet the high requirements by the environment. It is justified to regard deliveries to steel industry as critical applications. AWA can meet the requirements.

AWA as part of the Pesimal group can provide comprehensive solutions comprising coil and sheet handling, packaging and accessories together with the company's main activity, fully automated warehousing systems for all types steel products.



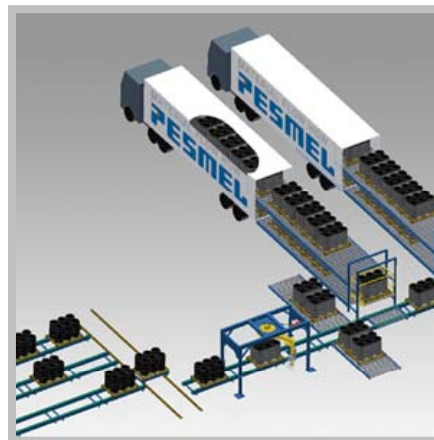


## AUTOMATED CARGO HANDLING

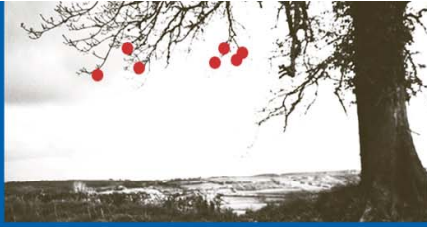
Pesmel's automatic loading systems increase the automation level in production logistics.

With load planning, picking, compiling, loading & unloading and data transfer, they provide an integrated entity from production to shipping and loading.

Pesmel's loading systems are well suited for all land transport systems (road, rail, container, sea cassettes) regardless of whether your product is reels, coils or palletised goods.







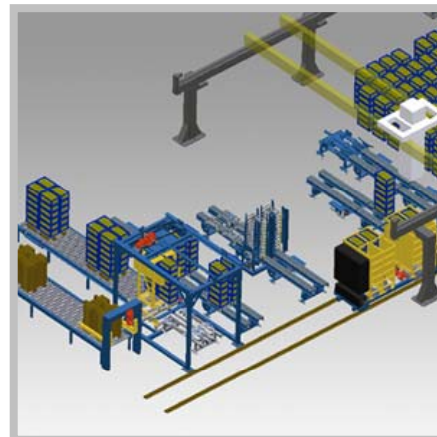
## PIECE GOODS HANDLING

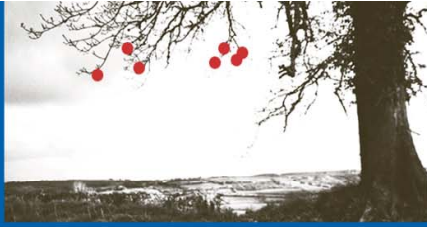
Pesmel's automatic systems allow you to easily handle large quantities of goods.

With moving, picking, stacking, palletising and box washing functions, the systems provide an integrated way of handling large amounts of plastic or cardboard boxes — with no mistakes.

Systems are also used for roller cage, pallet and piece good handling.

These applications have been delivered to the food industry, tyre industry and breweries.





## AWA SOLUTIONS FOR FOOD, DAIRY AND SPECIAL INDUSTRIES

AWA has supplied tens of installations for food and dairy plants. Cold storage systems, freezers and ambient temperature systems are included in our product range.

Pallets, crates, dollies, carts, trolleys, containers, barrels...

We have experience in all of them.

All unit loads can be handled automatically.

AWA has supplied a wide variety of systems for barrels, crates, car bodies, containers....



**You name it and we will design a system for you!**



## INTEGRATED AUTOMATION

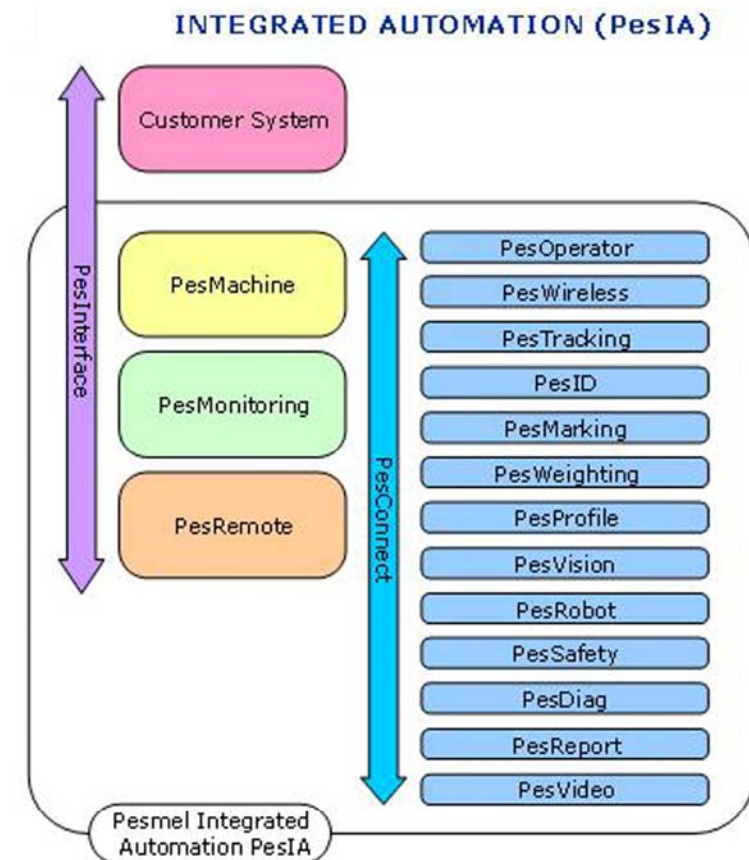
System automation offers wide range of innovative solutions and services for electrification, automation and IT applications for industrial use.

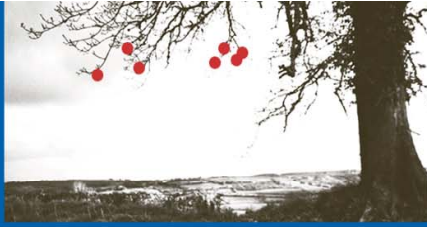
Our automation services are available during whole life cycle of the system.

In the automation concept all products are compatible with each other in order to achieve the best possible application and delivery content for the customer.

**The products are divided up to three levels:**

1. communicative levels
2. main products of control
3. supporting components for them



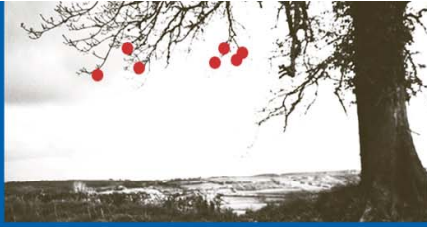


## COMPETITIVE ADVANTAGES WITH EFFICIENCY IN MATERIAL HANDLING

Automated materials handling means higher capital investments compared with manual alternatives, but more efficient handling results in better efficiency in the whole process and better customer service.

**Increased cash flow and profitability!**





## CONTACT US

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