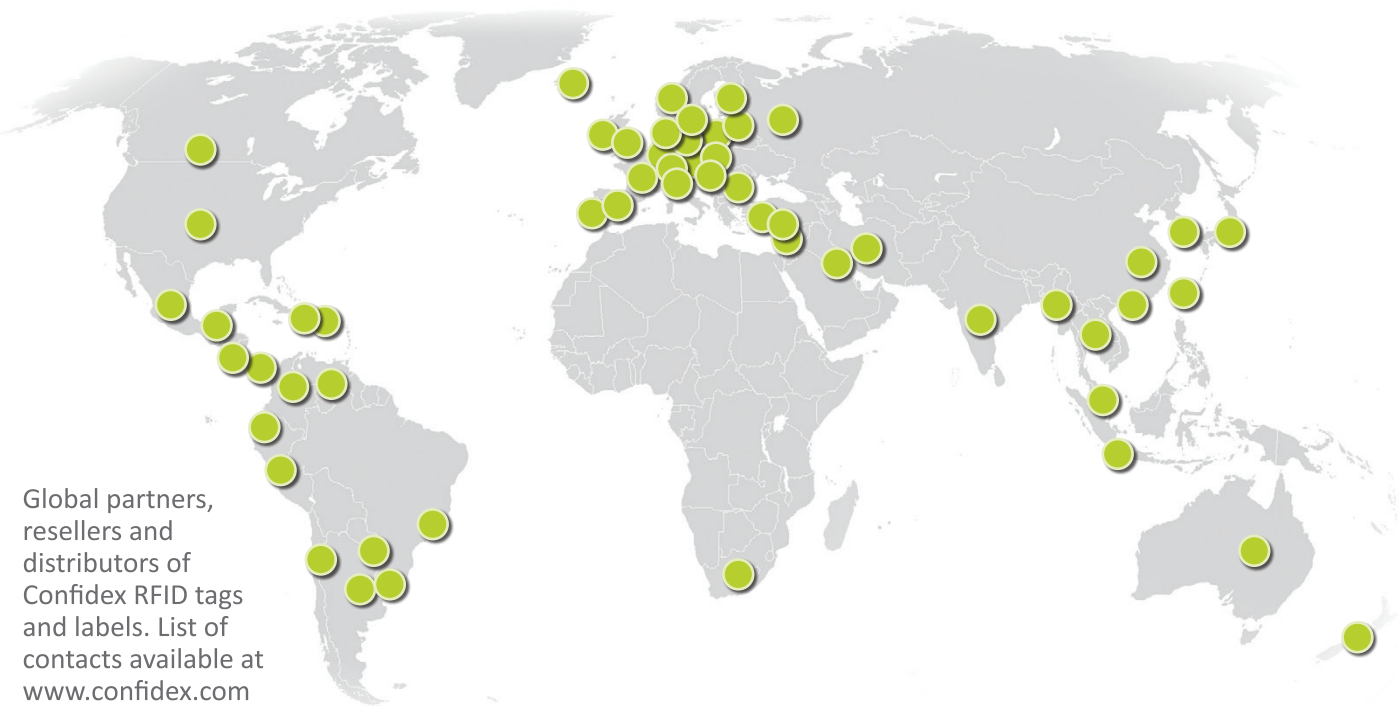


# Confidex tags and labels sold in over 60 countries worldwide



## About Confidex

Confidex is the world's leading supplier of high-performing contactless smart tickets, industrial RFID tags and specialty labels – the key enablers for short-range wireless IoT solutions that make supply chains, transactions and authentication of goods or people more efficient and secure. With our global network of over 60 resellers and distributors we serve customers representing a broad range of industries in Europe, Americas, Middle-East and Asia. For more information, visit [www.confidex.com](http://www.confidex.com).

**Please contact us for queries concerning RFID tag and label solutions!**



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# Effective Supply Chains & Material Control for Pulp, Paper and Packaging



# RFID tags and labels give total control over stock management and material flow



## RFID FOR PULP LOGISTICS

- Reliable pulp bale tracking throughout logistics chain
- Automatic error-control of shipments
- Real-time, global inventory statuses
- Improved pulp bale stock optimization

### HOW?

- RFID labels applied inside pulp units.
- Multiple units can be automatically scanned by forklift readers, gate readers or handheld readers.
- Confidex RFID Pulp Label™ is specifically developed for meeting the unique requirements of the pulp and paper industry.

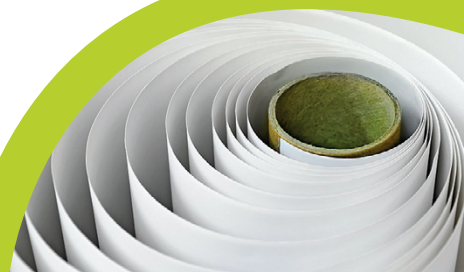


## RFID FOR PAPER PRODUCTION AND LOGISTICS

- Optimized material flow handling
- Minimized buffer inventories
- Increased inventory turnover
- Improved material availability
- Correct product type verification
- Automated inbound and outbound logistics

### HOW?

- RFID labels applied for example on paper or fluting reels for automated handling.
- Confidex provides RFID tags and labels also for factory maintenance and optimization.



## RFID FOR PACKAGING INDUSTRY

- Accurate material identification
- Real-time inventory data
- Automated inbound and outbound logistics
- Brand owners and logistics operators benefit from package level identification of goods, brand authentication and protection.

### HOW?

- RFID labels applied on packages.
- Confidex offers RFID tags and labels in variable form factors and types for a wide range of packaging materials.



## Metsä Fibre uses RFID to bring pulp logistics into a new era

*Metsä Fibre needed a very reliable, accurate and efficient way of tracking pulp units throughout their supply chain.*

Metsä Fibre takes pulp logistics to a new era through RFID technology. In contrast to the traditional barcode tracking, RFID brings Metsä Fibre an effective and reliable way to track pulp units and generate savings in material flow management. Confidex is supplying RFID labels to be inserted into each bale of pulp. The bales are automatically identified with fixed, forklift and handheld RFID readers via Vilant software throughout the pulp logistics chain.

Manufacturing processes in the pulp and paper industry create unique requirements for RFID labels. When labels are attached onto pulp bales, good RF performance is not enough to guarantee the suitability. The label materials also need to dissolve in the pulping process and create no effects on the further papermaking process. Due to these unique requirements, the various generally available RFID inlays and labels made of plastic materials cannot be used.

*“We had to find a repulpable, passive RFID tag that is tough enough to stand the handling stress but completely dissolves in paper production.”*

- Matti Alanen, Vice President, Logistics Finland, Metsä Fibre

*“Confidex RFID tags and labels are especially designed for the paper industry. For example our Confidex Pulp Label™ complies with food contact regulations specified by EEC directives and FDA in the US.”*

- Jari Ovaskainen, Director of Products, Smart identification, Confidex Ltd

*RFID provides a reliable, accurate and efficient way of tracking pulp units and paper products throughout the entire supply chain.*