



LEONARDO AUTOMATION

# LOGISTICS SOLUTIONS

IN-BOUND | SORTATION | OUT-BOUND | SECURITY | AFTER-SALES







 **LEONARDO**

PROVIDING DESIGN, MANUFACTURE, ASSEMBLY,  
COMMISSIONING AND SERVICING FOR PARCEL  
AND PACKAGE SYSTEMS

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## COMPANY PROFILE

### WORLDWIDE SYSTEM INTEGRATOR

Leonardo Automation is a Business Unit of the Leonardo Group, a leading global industrial company that specialises in Aerospace, Defence & Security. As a key player in major strategic programmes worldwide, Leonardo serves as a technological partner for governments, defence administrations, institutions and businesses.

With a workforce of over 53,000 employees globally, Leonardo has a significant industrial presence in Italy, the United Kingdom, Poland and the United States, whilst also operating across 150 countries through subsidiaries, joint ventures and shareholdings.

Leonardo Automation specifically has offices in the UK and USA, in addition to its headquarters in Genoa, Italy.

To enhance customer support, new branches have been established in Zurich, Switzerland, Paris, France and Hong Kong, focusing on maintenance and after sales services.

### INNOVATION

Digital technologies are at the core of its innovation strategy, integrating them across all business areas throughout the entire value chain - from research and development to market delivery. The Leonardo Groups innovation ecosystem is designed to identify and adopt new technological solutions and fostering synergy across its diverse business sectors. Leonardo Automation is actively engaged in research and development, continuously developing its product portfolio each year. The division benefits from the resources of Leonardo Labs, which focus on advanced research such as AI, Digital Twins and Advanced Simulation, Materials, Autonomous and Robotic Systems. These labs function as technology incubators supporting long-term research and development of cutting edge digital technologies, that are integral to the company's diverse operations.





## LEONARDO SYSTEM INTEGRATION

YOUR CHOICE FOR ALL YOUR SORTING NEEDS LEONARDO COMBINES DECADES OF SORTING KNOWLEDGE WITH INNOVATIVE TECHNOLOGIES

- **Expertise and Experience:** Leonardo brings specialised knowledge and extensive experience in designing, implementing, and optimising parcel sorting systems, ensuring solutions are tailored to meet specific operational requirements and industry standards
- **Customised Solutions:** Designed to fit the unique needs of each customer, optimising the sorting system for particular volumes, parcel types, and workflows
- **AI and Advanced Technologies:** Leveraging state-of-the-art technology, Leonardo integrates the latest innovations in automation, robotics, AI and software, enhancing the efficiency and accuracy of parcel sorting operations
- **Improved Efficiency:** By optimising the sorting process and reducing manual intervention, an integrated system increases operational efficiency, leading to faster sorting times, reduced errors, and lower labour costs
- **Improved Accuracy:** Leonardo ensures gentle loading and unloading of items throughout the system and minimises the chance of miss-sorts
- **Scalability:** We design sorting systems that are scalable, allowing the customer to expand or modify the system as their parcel volumes and business needs grow
- **Seamless Integration:** Leonardo ensures seamless integration with existing infrastructure, including warehouse management systems (WMS), enterprise resource planning (ERP) systems, and other operational software, leading to smooth and uninterrupted operations
- **Data Analytics and Insights:** Data analytics capabilities provide valuable insights into operational performance, bottlenecks, and improvement areas, enabling informed decision-making
- **Reliability and Maintenance:** Leonardo's integrated systems are designed for reliability and come with comprehensive maintenance plans, ensuring minimal downtime and consistent performance, which is critical in high-volume parcel sorting environments
- **Regulatory Compliance:** Our sorting systems enable us to sell worldwide, complying with relevant industry regulations and standards and ensuring compliance for the safety and security of operations
- **Total Cost Of Ownership (TCO):** By improving efficiency, accuracy, and scalability, and reducing operational and maintenance costs, our parcel sorting system provides a significant return on investment, with long-term benefits including lower operational costs, higher performance, and improved customer satisfaction

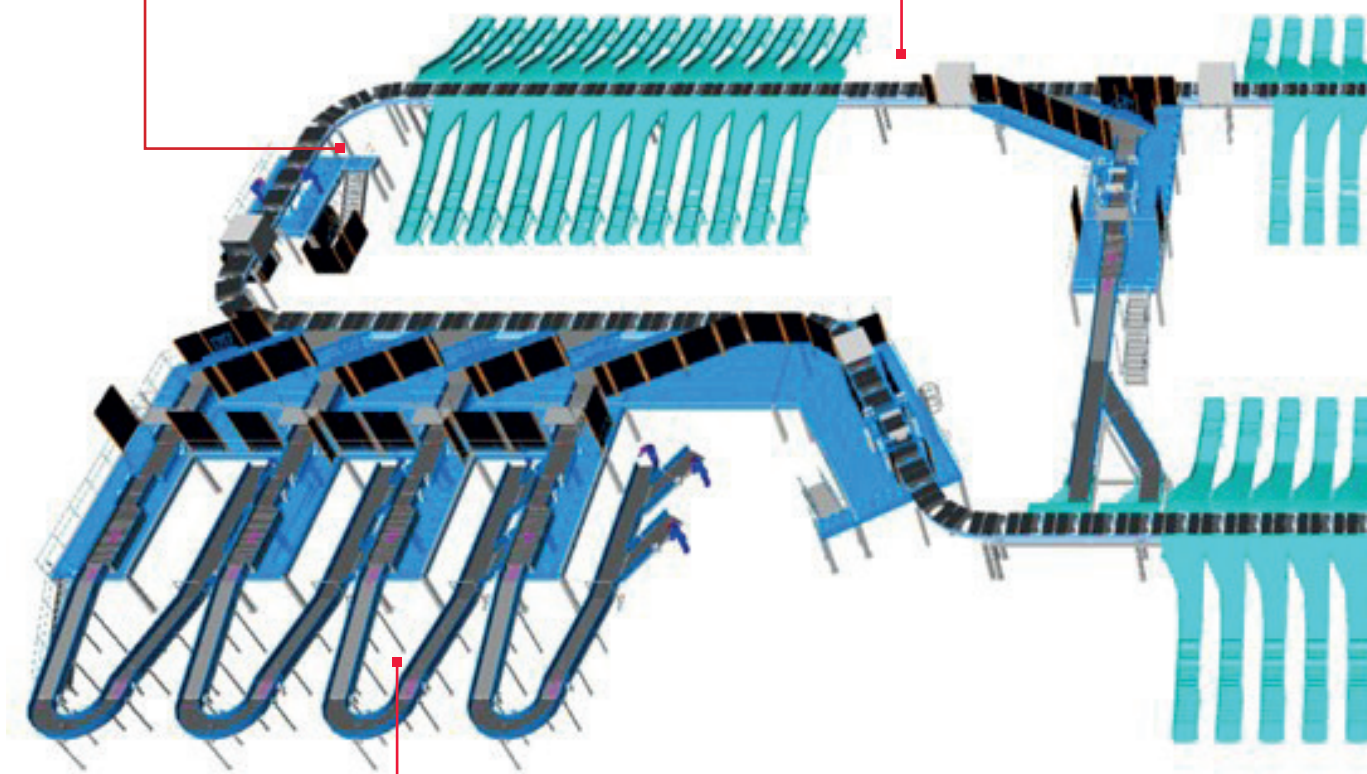
**OUR EXPERTISE IN LAYOUT DESIGN ENSURES THE BEST SORTING SOLUTIONS, OPTIMISING SPACE AND EFFICIENCY FOR SEAMLESS, HIGH-PERFORMANCE OPERATIONS.**

LEONARDO TAKES A WIDER VIEW ON LAYOUT DESIGN, NOT JUST CONSIDERING OUR SCOPE TO PROVIDE THE MOST EFFICIENT SYSTEM DESIGN, BUT ON YOUR OVERALL PROJECT, FEEDING BACK RECOMMENDATIONS SUCH AS BUILDING DESIGN, THAT MAY PROVIDE BETTER OVERALL VALUE.

IN PARTICULAR, WE TAKE THE TIME TO FULLY UNDERSTAND YOUR NEEDS BEFORE WE START, WORKING COLLABORATIVELY WITH YOU TO FIND THE CORRECT CHOICE IN LAYOUT AND EQUIPMENT.

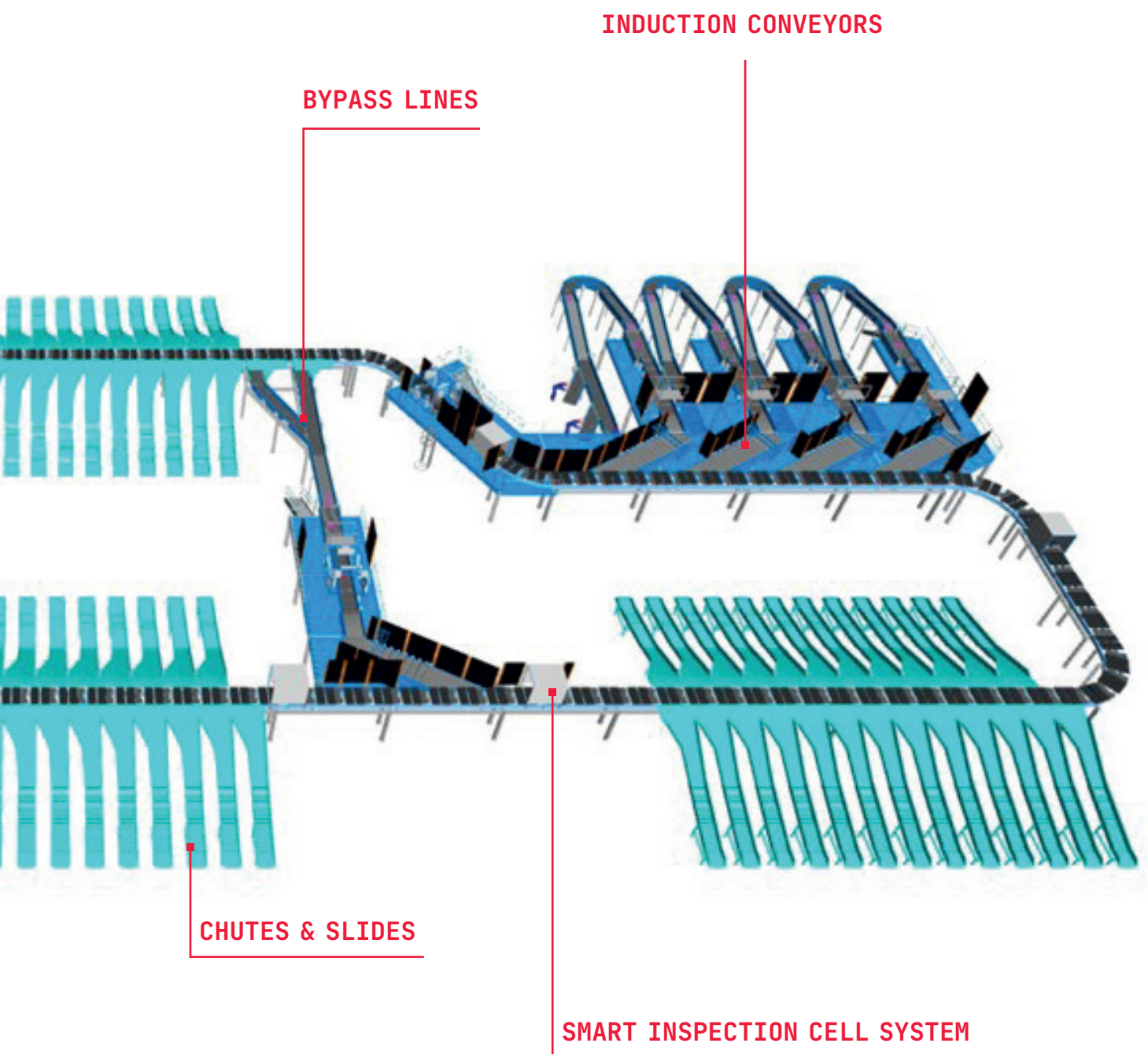
**MAINTENANCE STATION**

**CROSS-BELT SORTER**



**CONVEYORS**



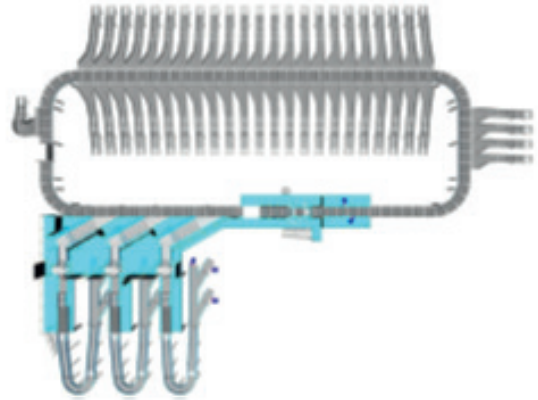


## SYSTEM LAYOUTS

Often the most important aspect of a solution, the most efficient layouts consider many aspects, in particular capital and operational costs, building constraints and operational requirements, leading layouts to take many forms. Simulation is used to find the optimum configuration for your plant and review quickly, to find the best options. The below examples provide a typical basis for a layout, based on throughput requirements.

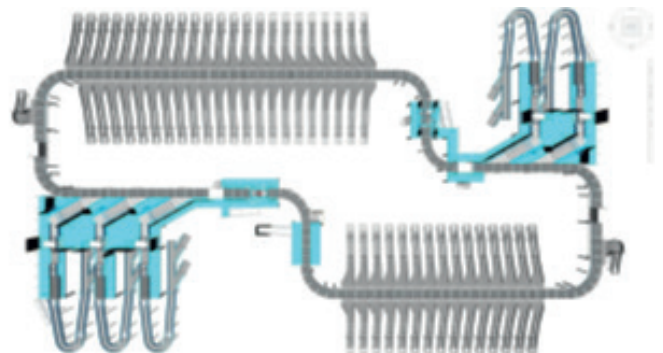
### 10,000PPH

Area Occupation	58 x 52m
Sorter Length	116m
Induction Areas	1
Induction (total)	3
Destination Chutes	50
Mezzanine	226m <sup>2</sup>



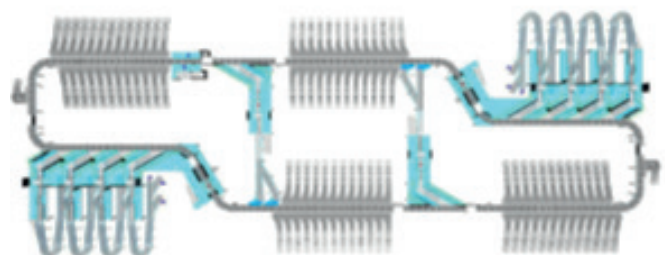
### 15,000PPH

Area Occupation	66 x 56m
Sorter Length	183m
Induction Areas	2
Induction (total)	5
Destination Chutes	75
Mezzanine	367m <sup>2</sup>



### 20,000PPH

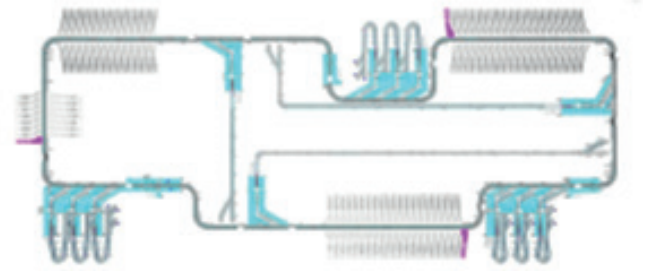
Area Occupation	126 x 46m
Sorter Length	263m
Induction Areas	2
Main Induction	8
Bypass lines	2
Destination Chutes	100
Mezzanine	725m <sup>2</sup>





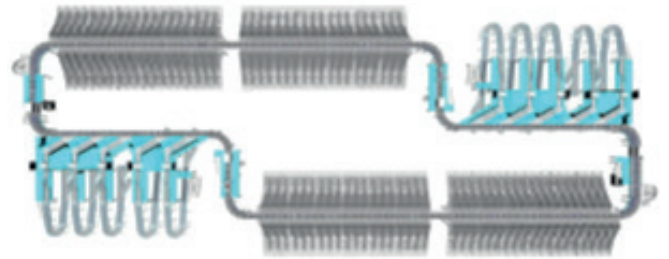
## 25,000PPH

Area Occupation	158 x 68m
Sorter Length	408m
Induction Areas	3
Main Induction	9
Bypass lines	3
Destination Chutes	126
Mezzanine	785m <sup>2</sup>



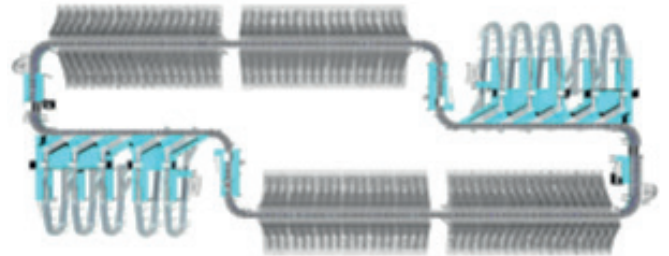
## 30,000PPH

Area Occupation	112 x 80m
Sorter Length	2 x 290m
Induction Areas	4
Inductions (total)	20
Destination Chutes	150
Mezzanine	645m <sup>2</sup>



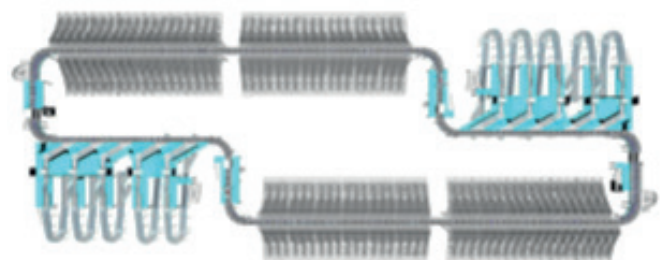
## 35,000PPH

Area Occupation	128 x 80m
Sorter Length	2 x 320m
Induction Areas	4
Inductions (total)	24
Destination Chutes	175
Mezzanine	765m <sup>2</sup>



## 40,000PPH

Area Occupation	158 x 80m
Sorter Length	2 x 440m
Induction Areas	4
Main Induction	16
Bypass lines	8
Destination Chutes	200
Mezzanine	1,285m <sup>2</sup>





## CROSS-BELT SORTATION

DESIGNED TO HANDLE SMALL, MEDIUM AND LARGE SIZED PARCELS AND PACKETS

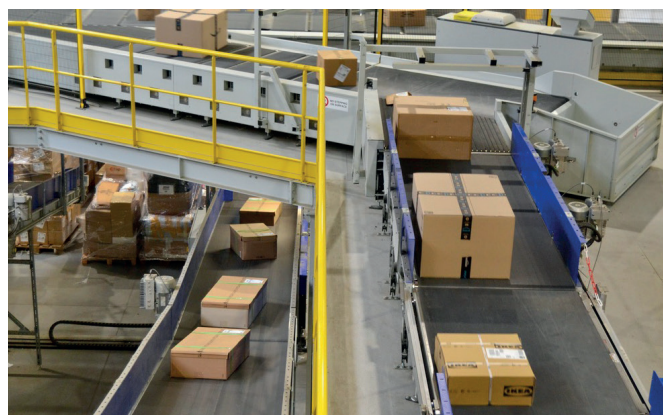
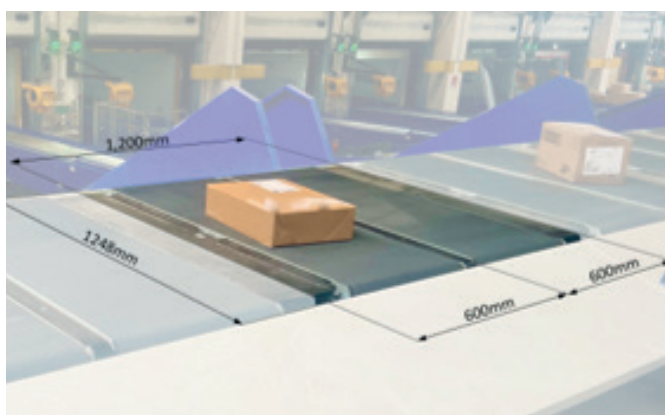
### HIGH RELIABILITY

Multisort 600 is a cross-belt sorter with exceptional reliability and supported by redundant systems and independent cell management providing over 99.9% availability. It features non-contact technology that reduces wear and maintenance.

A Linear Synchronous Motor (LSM) propulsive system ensures minimal noise and allowing dynamic speed adjustments. Its modular design ensures scalability and seamless integration into existing setups, safeguarding long-term investments. Advanced control systems include wireless signal transfer enhancing operational reliability with minimal maintenance.

### LOW O&M EXPENDITURE

Robustness, high performance and reliability, together with the non-friction propulsive system makes for less maintenance interventions cutting significantly its cost. Engineered for minimal energy consumption and maintenance costs, the Multisort 600 offers substantial savings by allowing to adjust speed according to volume fluctuations. It supports high-speed sorting, processing up to 18,000 items per hour at speeds up to 3 m/s. This efficiency delivers a compelling return on investment for users seeking both operational reliability and cost-effectiveness.







## SEAMLESS INTEGRATION AND SCALABILITY

The Multisort 600 is designed for easy integration into existing operations, with a modular architecture that allows for future scalability. As your business grows, additional modules can be added without significant downtime or reconfiguration, ensuring your sorting capabilities expand alongside your needs. The system supports a wide range of software and hardware interfaces, allowing it to connect with existing warehouse management systems (WMS) and conveyor setups effortlessly. This flexibility reduces installation time and ensures minimal disruption to your operations, while future-proofing your investment.

## VERSATILITY IN HANDLING

The Multisort 600 is engineered to handle a wide variety of product types and sizes, from small, delicate items to large, heavy packages, without compromising accuracy or speed. Its adaptable cross-belt design accommodates varying shapes and weights, enabling seamless integration into multiple industries, including e-commerce, retail, and postal services. Whether processing lightweight parcels or bulky items, the system ensures smooth, secure transfers, reducing the risk of damage during sorting. This flexibility maximises throughput while maintaining precision.

## SYSTEM SPECIFICATIONS

Maximum Item Size [mm] (LxWxH) <sup>1</sup>	1,200 x 800 x 800
Minimum Item Size [mm] (LxWxH)	100 x 75 x 1
Item Weight [kg]	0.02 to 50
Maximum Sorter Speed [m/s]	Up to 3
Sorter Nominal Capacity [cells/h]	Up to 18,000

<sup>1</sup> Double cell loading for Width > 600mm



## SORTER INDUCTION

### ENHANCED STABILITY

The induction system minimises parcel rotation during transfer, ensuring precise item alignment and stability. It features an Orientation Belt that positions items precisely at a 30° angle, preparing them seamlessly for sorting.

### PRECISE LOADING

Merge Belts with low-friction surfaces facilitate smooth transitions between conveyors, preventing jams and maintaining high throughput. Synchronism Belts equipped with direct mounted brushless motors enable precise speed control, aligning items accurately for efficient sorting operations.

### HIGH THROUGHPUT

Designed for speed and efficiency, High-Capacity Inductions support rapid item handling with 30-degree induction lines. This capability, combined with adjustable acceleration and speed settings, maximises throughput capacity while maintaining operational stability.

### FEATURES

- Reversibility to remove non-tracked items automatically
- Manual loading, robotic arm and conveyor options
- Photo eyes to monitor item positioning
- For short bursts, capacity may exceed Peak capacity

## SYSTEM SPECIFICATIONS

	Packets	Parcels
Maximum Item Size [mm] (LxWxH)	800 x 800 x 400	1,200 x 800 x 800
Minimum Item Size [mm] (LxWxH)	100 x 75 x 1	100 x 75 x 1
Maximum Item Weight [kg]	30	50
Nominal Capacity [item/h]	4,500	4,000
Operational Capacity [item/h]	4,000	3,600
Peak Capacity (Short Period) [item/h]	6,000	5,500





## CONVEYORS

Leonardo provides all conveyors for the system, whether with our own suite of linear conveyors or integrating with third party equipment (such as curves).

### VERSATILE APPLICATION

Conveyors both upstream and downstream of the sorter are adaptable to a wide range of item types and packaging, making them suitable for diverse operational needs.

### SEAMLESS INTEGRATION

These conveyors integrate easily into existing systems, offering flexibility and enhancing workflow efficiency.

### EFFICIENT TRANSPORT

The system utilises a durable construction and low-friction belts, ensuring reliable and energy-efficient item transport throughout the sorting process. The induction system minimises parcel rotation during transfer, ensuring precise item alignment and stability.

### FEATURES

- High energy efficiency
- Very limited maintenance
- Easy speed regulation

## SYSTEM SPECIFICATIONS

	Packets	Parcels	Bulk & Irregular
Conveyor Width [mm]	650	850, 1050	1250, 1500
Maximum Item Size [mm]	600 x 600 x 600	1,200 x 800 x 800	1,200 x 1000 x 1000
Minimum Item Size [mm]	75 x 75 x 1	100 x 75 x 1	100 x 75 x 1
Maximum Item Weight [kg/m]	30	50	60
Maximum Speed [m/s]	Up to 2.5	Up to 2.5	Up to 2

## SLIDES AND CHUTES

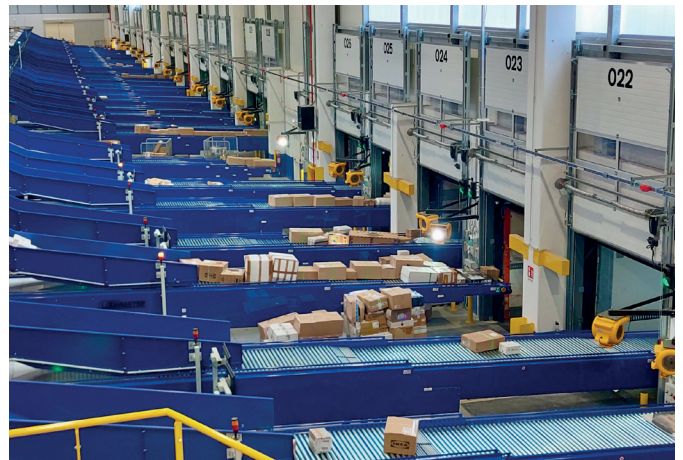
### SPACE EFFICIENCY

Chutes are designed to be robust and fill a small floor area. Due to the unique dynamic ejection from the sorter that enables precise item handling, the mouth of the chute can be narrower, compared to gravity based sorters, maximising space utilisation in sorting facilities with limited footprint.



### LOGICAL EJECTION

Different parcel trajectories are possible within one chute as the sorter relies on logical position of items and not on mechanical actuation. This allows the chute to be filled across its full width, increasing chute buffer capacity. It also allows quick reconfiguration of chutes.



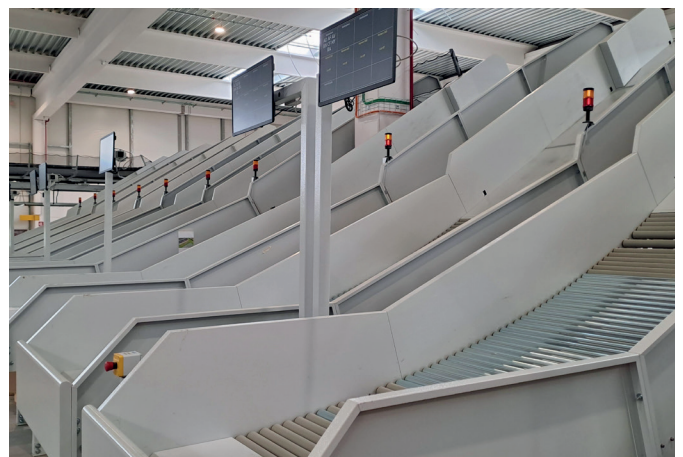
### PRECISION HANDLING

The sorter offers customisable trajectories for item discharge, tailored to specific operational requirements such as item characteristics and efficient chute filling. Items are controlled throughout the chute, to ensure safety and gentle handling.



### VERSATILE CONFIGURATIONS

Multiple discharge options including; belt conveyors, straight and spiral chutes, direct to container as possible, providing flexibility. Chutes can remain open whilst containers are being changed through buffers or diverters to other containers or to help increase the number of possible destinations reached by one chute.







## IRREGULAR & LARGE PARCEL SORTER

### IRREGULAR SORTER SYSTEM

The Irregular Sorter efficiently manages items with unique characteristics such as large size, heavy weight, or odd shapes. This system utilises pop-up conveyors to divert these irregular items from the main sorting line, ensuring smooth and precise handling.

### REDUCED MANUAL HANDLING

By automatically diverting irregular items, the sorter significantly reduces the need for manual handling. This not only lowers operational costs but also enhances safety by minimising the risk of operator injury associated with manually handling cumbersome or awkward parcels.

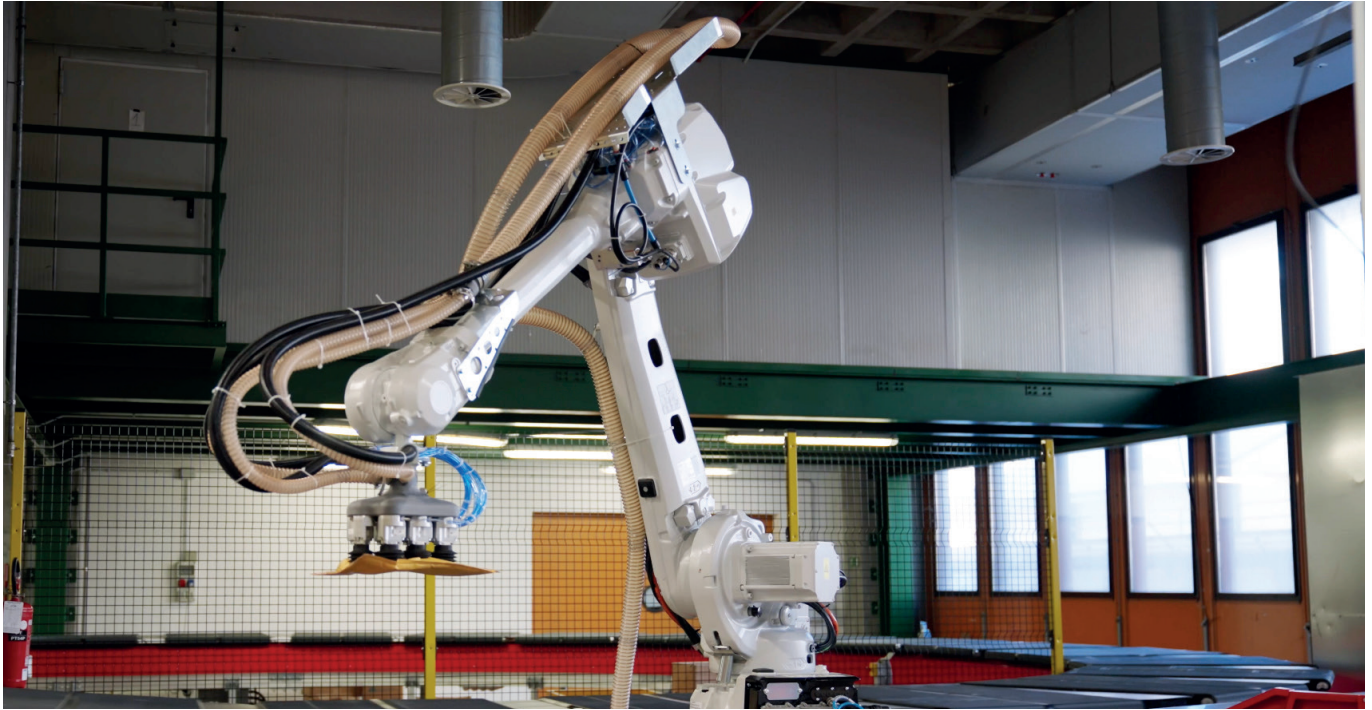
### ENHANCED OPERATOR SAFETY

The system's design prioritises operator safety by eliminating the need for manual intervention with heavy or oddly shaped items. This feature ensures a safer working environment, reducing physical strain and potential injuries.

### EFFICIENCY AND RELIABILITY

The integration of pop-up conveyors enhances overall sorting efficiency by directing irregular items away from standard conveyor routes. This streamlines the sorting process and maintains high throughput, while ensuring that all items are handled with the care they require.

	Parcels & Packets
Maximum Item Size [mm] (LxWxH)	2,300 x 1,200 x 800
Maximum Item Weight [kg]	60
Nominal Capacity [item/h]	2,000



# ROBOTIC MANIPULATION

## VERSATILE FUNCTIONALITY

The robotic arm is versatile enough to handle bulk picking and loading into induction systems up to 30kg. Its adaptable grippers and precise control systems allow it to manage a wide variety of item types and sizes, further optimising parcel handling processes across the entire facility. A unique feature that differentiates Leonardo, with respect to other solutions on the market, is the possibility to load and unload parcels onto a moving sorter.

## AUTOMATED ITEM REMOVAL

We have developed advanced features that enable the robotic arm to autonomously remove stranded items from the sorter, eliminating the need for manual intervention. This capability reduces downtime, streamlines operations, and ensures continuous sorting efficiency.

## PRECISE POSITIONING

The robotic arm utilises advanced vision systems and AI algorithms to accurately identify, pick and place parcels onto the moving conveyor or sorter up to 2.5m/s. Its multi-axis movement capability ensures each item is positioned with precision, significantly reducing the chance of misalignment. This high level of accuracy enhances the overall efficiency and reliability of the sorting process.

## SEAMLESS TRANSITIONS

Equipped with adaptive grippers, the robotic arm can securely handle parcels of different shapes and sizes. These grippers automatically adjust to each parcel's characteristics, ensuring a firm yet gentle grip that minimises the risk of damage during transfer. This capability enables smooth transitions from the robotic arm to the sorter, maintaining a consistent flow in operations.

## HIGH-SPEED THROUGHPUT

Engineered for efficiency, the robotic arm's swift movements are precisely synchronised with the sorter's pace, via proprietary motion control software, allowing for continuous loading. This integration boosts throughput, ensuring parcels are processed quickly and accurately, thereby maximising productivity without sacrificing precision.

## MODULAR DESIGN

The robotic arm is designed with modularity in mind, making it easy to integrate into both new and existing sorting facilities. Whether installed during initial setup or added as a retrofit, the system can be seamlessly incorporated without disrupting current operations. This flexibility supports scalable solutions that adapt to evolving needs.

Parcels & Packages	
Maximum Item Size [mm] (LxWxH)	1,200 x 800 x 800
Maximum Item Weight [kg]	30
Nominal Capacity [item/h]	2,000





## **AUTONOMOUS MOBILE ROBOTS**

### **SMART PARCEL SORTATION**

Leonardo has secured a partnership to integrate Libiao Robots across Europe. Mobile Robots (AMRs) are designed to revolutionise parcel sortation with intelligent, automated systems that enhance efficiency and accuracy. These robots autonomously navigate sorting facilities, ensuring precise parcel handling of packets and Small Parcels (600x500, 35kg) and reducing the need for manual intervention, addressing labour shortages and improving safety. The AMRs also excel at sorting non-conveyable items, such as those that roll, simplifying the system and significantly increasing operational efficiency.

### **FLEXIBLE AND SCALABLE DEPLOYMENT**

AMRs offer a modular design, easily integrated into new or existing facilities. Their scalability supports deployment in various operational sizes, from small-scale setups to high-volume environments, adapting to fluctuating demands without disrupting workflows. By minimising transition points between different equipment, the system reduces the risk of jams, ensuring a smoother operation.

### **HIGH-PRECISION SORTATION**

Equipped with advanced sensors and AI-driven algorithms, AMRs ensure accurate parcel identification and sorting. They autonomously determine the optimal route for each parcel, minimising errors and maintaining high throughput while adapting to the dynamic environment of a busy sorting centre.

### **REDUCED DOWNTIME**

AMRs are designed for continuous operation, with automated charging and self-diagnostic capabilities that minimise downtime. Their ability to quickly identify and avoid obstacles ensures uninterrupted operations, keeping the sortation process smooth and efficient. Should a robot breakdown, a straightforward replacement can be performed whilst the system is still operational, not requiring any external support or particular technical skills. A user-friendly simulation environment is available to evaluate in advance any plant changes and their performances. All confirmed changes shall be implemented automatically and seamlessly in the real plant, without any downtime.

### **REAL-TIME MONITORING AND CONTROL**

A user-friendly interface provides operators with real-time data on AMR performance, parcel flow, and system health. This centralised dashboard allows for efficient monitoring and quick adjustments, ensuring optimal sortation efficiency and operational transparency.

## ANCILLARY EQUIPMENT

There are many different types of equipment that can be integrated into a sortation system, including dynamic scales, parcel aligners, pick-to-light, telescopic conveyors, barcode readers to name a few. Leonardo is able to pick the best equipment for your need and has expertise in integrating these, to provide you with the best solution. Below are some examples:

### SORT-TO-LIGHT

Using strategically placed light indicators, the system illuminates at the exact destination for each parcel. The sort-to-light system helps improve manual sortation accuracy, speed and reducing errors. The intuitive design of the Sort-to-Light system simplifies the sorting process for operators, requiring minimal training.

### TIPPERS

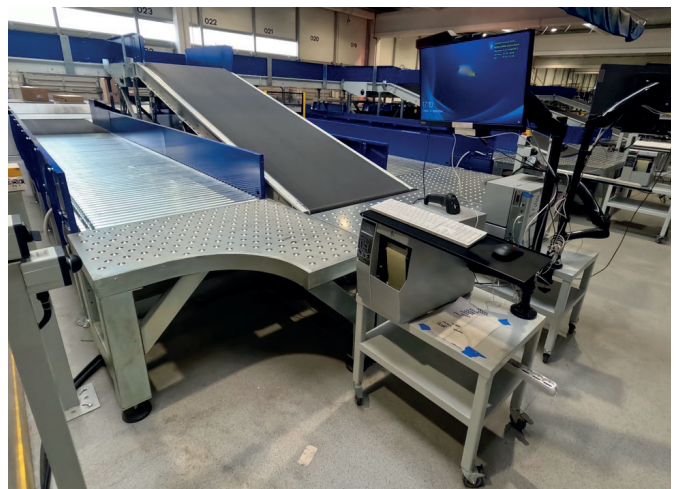
Tipplers come in many different forms, from manual, to aid operators reaching parcels ergonomically and automatically, where bulk items are decanted safely and carefully onto a conveyor leading to singulation. Tipplers can be integrated into your system where you have containers like Gaylord boxes, palletised loads or other containers containing a large volume or heavy items that need to be sorted individually.

### REWORK / HOSPITAL STATIONS

Some items come into the system that are unable to be read, require repackaging, or require relabelling. A rework station enables your operators to process these items ergonomically and quickly, for further processing and reinduction for automatic sortation or removed from the system. They can take many different forms and typically depend on the requirements and preferences of operations.

### TELESCOPIC CONVEYORS

Coming in many different forms, such as gravity rollers or powered belts, telescopic conveyors can assist operators load and unload trucks containing loose loaded items. This helps with speed and ergonomics for the operator. The equipment is usually integrated with sensors able to detect irregular or oversize items, either enabling manual removal, or automatically from the system to be processed differently.







## REAL TIME DYNAMIC MONITORING

### PROVIDING CONTINUOUS MONITORING AND ANALYTICS TO OPTIMISE PERFORMANCE

#### DATA COLLECTION

The system collects real-time data from various sensors and components of the cross-belt sorter, ensuring up-to-the-second accuracy in monitoring parcel flow and sorter operation.

#### ADVANCED ANALYTICS

Utilising powerful analytics, the system processes the collected data to identify patterns, predict potential bottlenecks, and provide actionable insights to improve sorting efficiency.

#### AUTOMATED ALERTS

The system automatically generates alerts for any anomalies or issues, such as mechanical failures or misrouted parcels, allowing for swift intervention and minimising downtime.

#### PERFORMANCE DASHBOARDS

Customisable dashboards provide a comprehensive view of sorter performance, displaying key metrics such as throughput, error rates, and system health in an easy-to-understand format.

#### PREDICTIVE MAINTENANCE

By analysing data and current performance, the system can predict when maintenance is needed, helping to prevent unexpected breakdowns and extend the lifespan of the sorting equipment.

#### USER-FRIENDLY INTERFACE

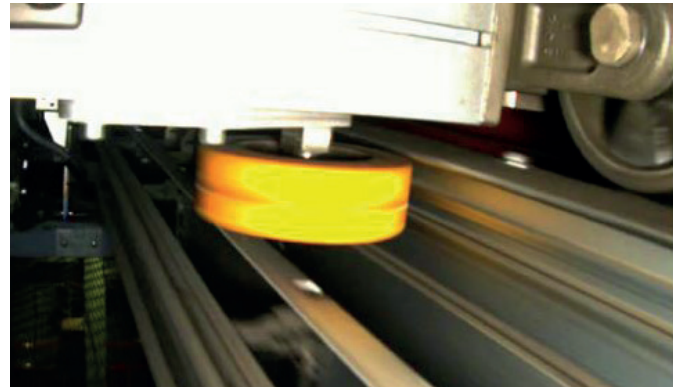
The intuitive interface is designed for ease of use, enabling operators to quickly access information, generate reports, and make data-driven decisions to optimise sorting processes.

## ADVANCED MAINTENANCE TOOLS

A set of advanced maintenance diagnostic tools have been Developed that accurately assess the condition of carriers, identifying wear and tear or potential issues before they lead to system failures. This proactive approach minimises downtime and maximises the operational efficiency.

### TRACK INSPECTION SYSTEM

Advanced Track Inspection system (ATIS) represents a significant leap in maintenance technology, offering remote, continuous inspection of static sorter components and detecting anomalies in real time. High-definition video recording, cloud storage, and AI-driven analysis enable preventive and conditional maintenance strategies, reducing the need for physical access and minimising downtime. ATIS ensures that all potential issues are detected and addressed promptly, enhancing the reliability and safety of the sorting system.



### DYNAMIC TRACK GUARDIAN

DTG focuses on real-time monitoring of IPT profiles and cable positions within the sorter loop. This system automatically detects potential issues, such as Foreign Object Debris (FOD) presence or misalignment of cables and transmits immediate alerts. DTG optimises safety and operational accuracy, reducing risks during both routine and start-up activities.



### DYNAMIC CARRIER GUARDIAN

DCG is a specialised system for the continuous monitoring of mobile sorter components, such as train and cart parts. Equipped with strategically placed sensors and video instruments, DCG ensures that these components maintain their structural integrity. It automatically detects signs of wear, damage, or defects and transmits alerts in real time, allowing for prompt maintenance actions. The system also archives images for detailed analysis, supporting a robust record-keeping process that aids in long-term maintenance planning.



### REMOTE ASSISTANCE

Equipped with tools like Smart Glasses for remote support, the system ensures safe, efficient maintenance operations. AI-driven anomaly detection adds another layer of protection, helping to prevent issues before they escalate.





## AFTER SALES SERVICES

### PROVIDING CONTINUOUS MONITORING AND ANALYTICS TO OPTIMISE PERFORMANCE

#### RELIABLE AND TRUSTED TECHNOLOGICAL PARTNER

Leonardo is your ideal partner on the path to digitalisation and innovation. With a customer-oriented approach, we ensure your needs are at the forefront of our solutions.

##### CUSTOMER-CENTRIC APPROACH

We prioritise your requirements through a dedicated sales structure and a specialised help desk. Our team is committed to providing exceptional support tailored to your specific needs.

#### GLOBAL EXPERTISE

Our highly qualified team, located across the world, bring extensive experience in Operations and Maintenance. This global presence ensures that we can support you effectively, no matter where you are.

#### COMPREHENSIVE LIFECYCLE SUPPORT

Leonardo Automation is with you every step of the way. From the initial implementation to ongoing maintenance and upgrades, we ensure that your systems operate smoothly and efficiently throughout their entire lifecycle.

#### TURNKEY SOLUTIONS

Leonardo Automation offers comprehensive turnkey solutions that encompass a full range of after-sales technical support. Our dedicated staff, advanced technological management suites, and extensive experience across various environments, including third-party systems, ensure exceptional service delivery.

With years of expertise, Leonardo Automation provides a complete spectrum of operations and maintenance turnkey solutions. We pride ourselves on our ability to offer customisable and modular maintenance services, tailored to meet the unique needs and expectations of our customers. Our commitment is to deliver tailored solutions that enhance operational efficiency and reliability.

#### MAINTENANCE OPTIONS

Focusing on our customer's satisfaction, Leonardo Automations maintenance engineering proposition can be divided into:

- Maintenance Engineering and Customer Support:
- Spare parts & Logistics management
- Remote support
- On site assistance
- Technical Training
- Equipment upgrade
- System Health:
- Ordinary Maintenance
- Corrective Maintenance
- System Modernisation
- Operational Support





## OUR MARKETS

### LOGISTICS SOLUTIONS

Leonardo provides a wide range of multi-functional integrated solutions for all kinds of postal objects (flats, parcels and packets). Any solution integrates advanced market-proven core proprietary technologies, aiming to satisfy increasing Courier, Postal and Airports Operators requirements with competitive costs and quickly.

All products are developed to satisfy specific operating requirements.

The solutions offered by Leonardo are always tailor-made to meet the specific customer business and operational requirements, managing in parallel both inbound/outbound processes and information processes.

### BAGGAGE HANDLING SOLUTIONS

Leonardo Automation delivers reliable, efficient, and comprehensive solutions, both hardware and software, for implementing baggage handling systems in airports.

Our offerings cover the entire process, from check-in and security checks to the automatic sorting of bags, their delivery to make-up destinations, and baggage claim carousels for arriving flights.

The solution includes Automatic Tag Readers (ATR) with OCR capabilities.

With over 25 years of experience and a global presence in the airport sector, Leonardo is a leading player in the baggage handling systems market. Our innovative range of baggage handling products, combined with deep expertise in airport processes, makes Leonardo the ideal partner for airport operators seeking to enhance their baggage handling operations.





## OUR COMMITMENT

## SUSTAINABILITY

The Sustainability Plan translates the Group's vision and sustainability objectives into projects and initiatives that can be measured in the short, medium and long term, according to a data-driven approach that measures performance through specific ESG KPIs that are also monitored for the purpose of achieving the Sustainability Targets. The new strategic positioning sees Leonardo Group increasingly involved in the energy and digital transition through the development of products and solutions that guarantee the security of communities, institutions and infrastructures. The 2024-2028 Sustainability Plan is aligned with the strategic vision of the Group's Industrial Plan and brings together projects with the greatest impact on the entire value chain, focusing on specific priorities such as eco-design and digital twin, decarbonisation, Conveyors both upstream and downstream of the sorter are adaptable to a wide range of item types and packaging, making them suitable for diverse operational needs.

## DIVERSITY AND INCLUSION

- We prioritise Diversity and Inclusion with targeted initiatives to enhance STEM disciplines
- We actively fight workplace harassment
- We collaborate with universities to sponsor engineering courses, promoting educational opportunities in STEM
- delivery times.

## WELFARE INITIATIVES

We support and promote various welfare initiatives to ensure the well-being of our employees.

## HUMAN RIGHTS

Leonardo commits to carry out its activities in full accordance with the human rights set out in the Group's Code of Ethics and Charter of Values, inspired by the principles of the United Nations Universal Declaration, the International Labour Organisation Conventions, the OECD Guidelines, the Charter of Fundamental Rights of the European Union and other applicable regulations.

In particular, Leonardo Automation's engineering design activities are focused on sustainability in terms of:

- Carbon Emissions Reduction: Implementing innovative designs to lower carbon footprints
- Component Reduction: Minimising the use of electrical and electronic components
- Energy Efficiency: Reducing energy consumption while maintaining high performance standards
- Health and Safety: We uphold the highest standards of health and safety for our internal employees, suppliers, and customers during project delivery.

For more information:  
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Automation

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