LEONARDO AUTOMATION

Logistics Solutions

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

LEONARDO

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 60,000 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 Switzerland (Zurich and Geneva), Paris, France, Hungary 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 and after sales services. 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 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.

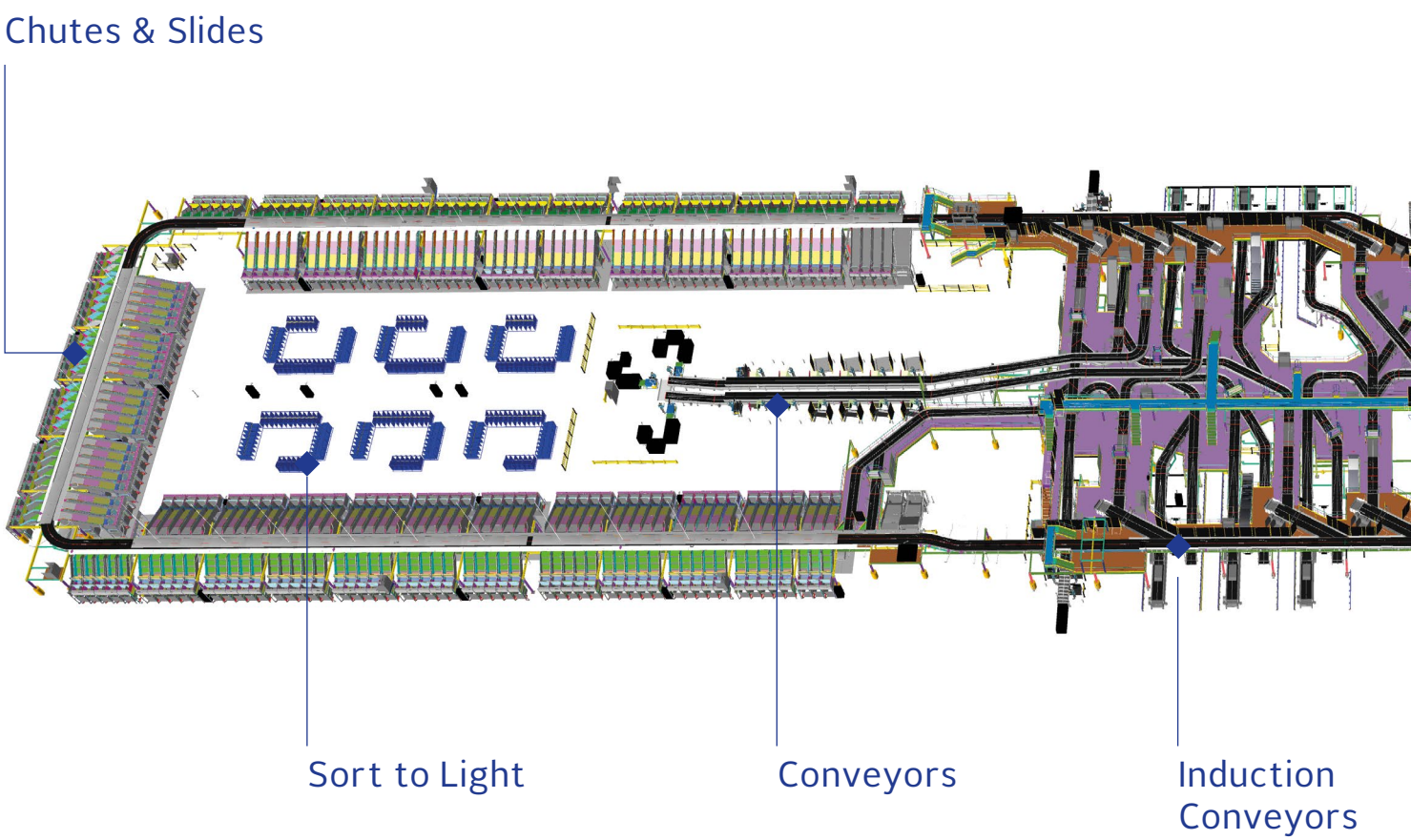
Reliability and Maintenance: Leonardo's integrated systems are designed for reliability and come with comprehensive maintenance plans, ensuring minimal downtime and consistent performance, which is critical in high-volume parcel sorting environments.

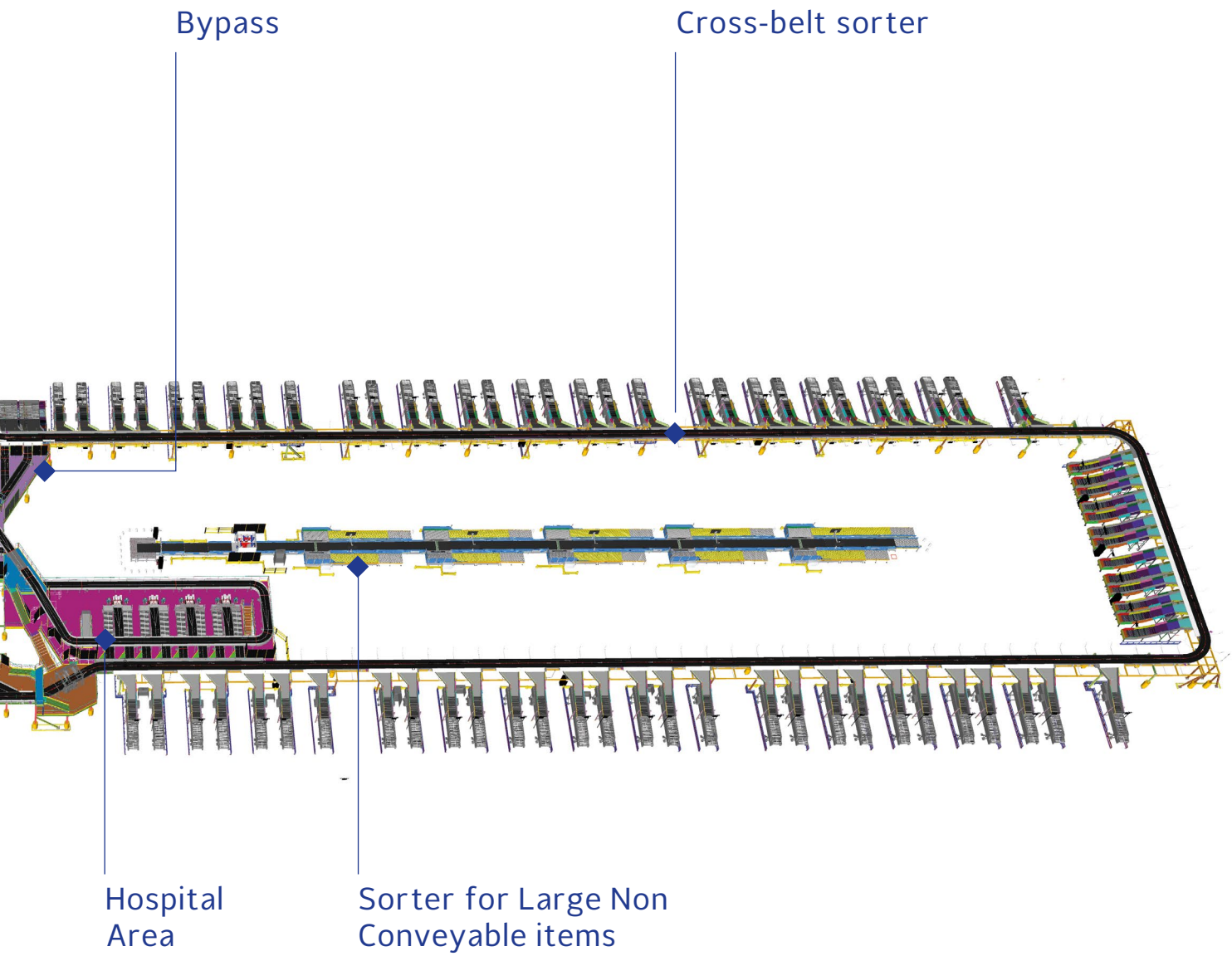
Regulatory Compliance: Our sorting systems enable us to sell worldwide, complying with relevant industry regulations and standards e and ensuring compliance for the safety and security of operations.

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.



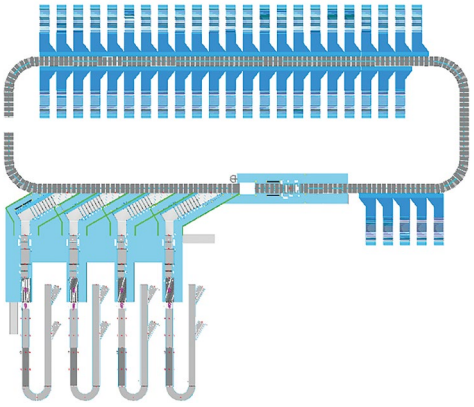

Bypass
Cross-belt sorter
Hospital Area
Sorter for Large Non Conveyable items

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.

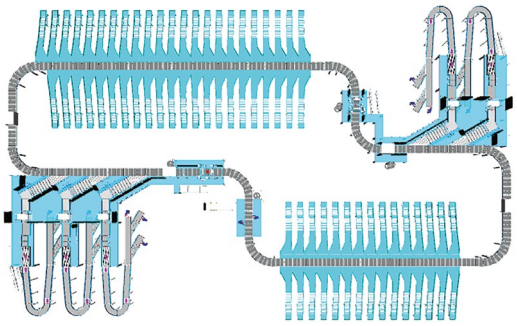
10,000PPH

Area Occupation	58 x 52m
Sorter Length	116m
Induction Areas	1
Inductions (total)	3
Destination Chutes	50
Mezzanine	226m²



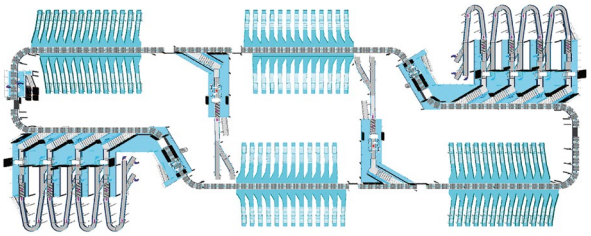
15,000PPH

Area Occupation	66 x 56m
Sorter Length	183m
Induction Areas	2
Inductions (total)	5
Destination Chutes	75
Mezzanine	367m²



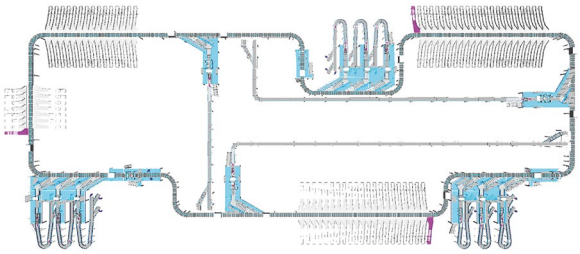
20,000PPH

Area Occupation	126 x 46m
Sorter Length	263m
Induction Areas	2
Main Inductions	8
Bypass lines	2
Destination Chutes	100
Mezzanine	725m²



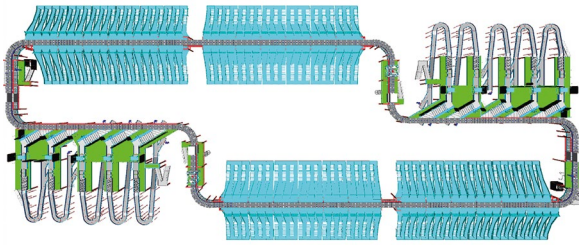
25,000PPH

Area Occupation	158 x 68m
Sorter Length	408m
Induction Areas	3
Main Inductions	9
Bypass lines	3
Destination Chutes	126
Mezzanine	785m²



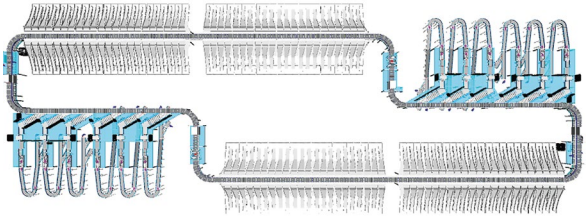
30,000PPH

Area Occupation	112 x 80m
Sorter Length	2 x 290m
Induction Areas	4
Inductions (total)	20
Destination Chutes	150
Mezzanine	645m²



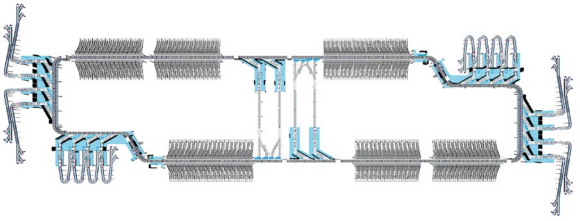
35,000PPH

Area Occupation	128 x 80m
Sorter Length	2 x 320m
Induction Areas	4
Inductions (total)	24
Destination Chutes	175
Mezzanine	765m²



40,000PPH

Area Occupation	158 x 80m
Sorter Length	2 x 440m
Induction Areas	4
Main Inductions	16
Bypass lines	8
Destination Chutes	200
Mezzanine	1,285m²



CROSS-BELT SORTATION

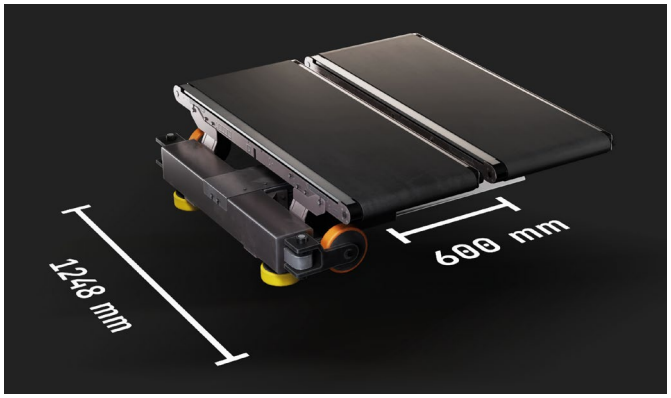
Designed to handle small, medium and large sized parcels and packets

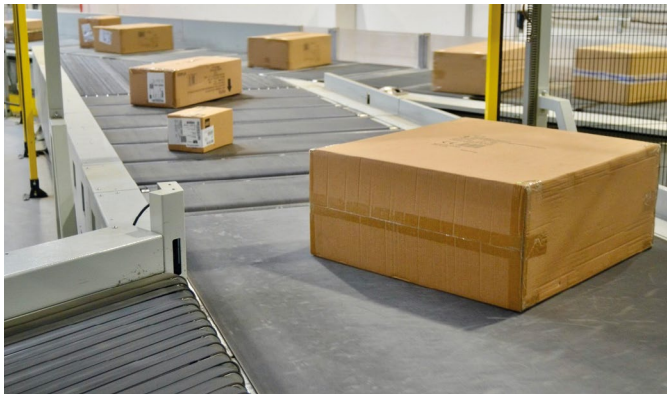
HIGH RELIABILITY

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) propulsion 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

CHARACTERISTICS	VALUE
Maximum Item Size [mm] (LxWxH)[1]	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

→ [1]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

CHARACTERISTICS	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

CHARACTERISTICS	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, allowing expansion and changes to chutes dependant on operational requirements.

VERSATILE CONFIGURATIONS

Multiple discharge options are available, including to belt conveyors, straight chutes and spiral chutes, direct to container, bag or tote discharges, providing flexibility in sorting operations. Chutes can be equipped with buffers, or diverters to other containers too, ensuring chutes can remain open, whilst containers are being changed, also increasing the number of possible destinations reached by one chute.

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.

ERGONOMIC DESIGN

Chutes feature an ergonomic design that ensures efficient and safe handling of items to the end of the chute, optimising operational workflow and safety protocols, whist considering maintenance and accessibility. The ejection to a chute minimises parcel rotation during transfer, ensuring precise item alignment and stability.

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.

SYSTEM SPECIFICATIONS

CHARACTERISTICS	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.

SYSTEM SPECIFICATIONS

CHARACTERISTICS	PARCELS & PACKETS
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

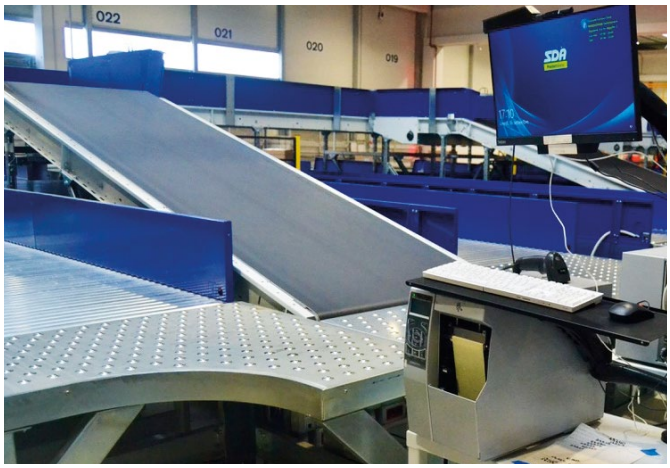
There are many different types of equipment that can be integrated into a sortation system, including dynamic scales, parcel aligners, pick-to-light, telescopic conveyors, barcode readers to name a few. Leonardo is able to pick the best equipment for your need and has expertise in integrating these,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

Tippers 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. Tippers 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.

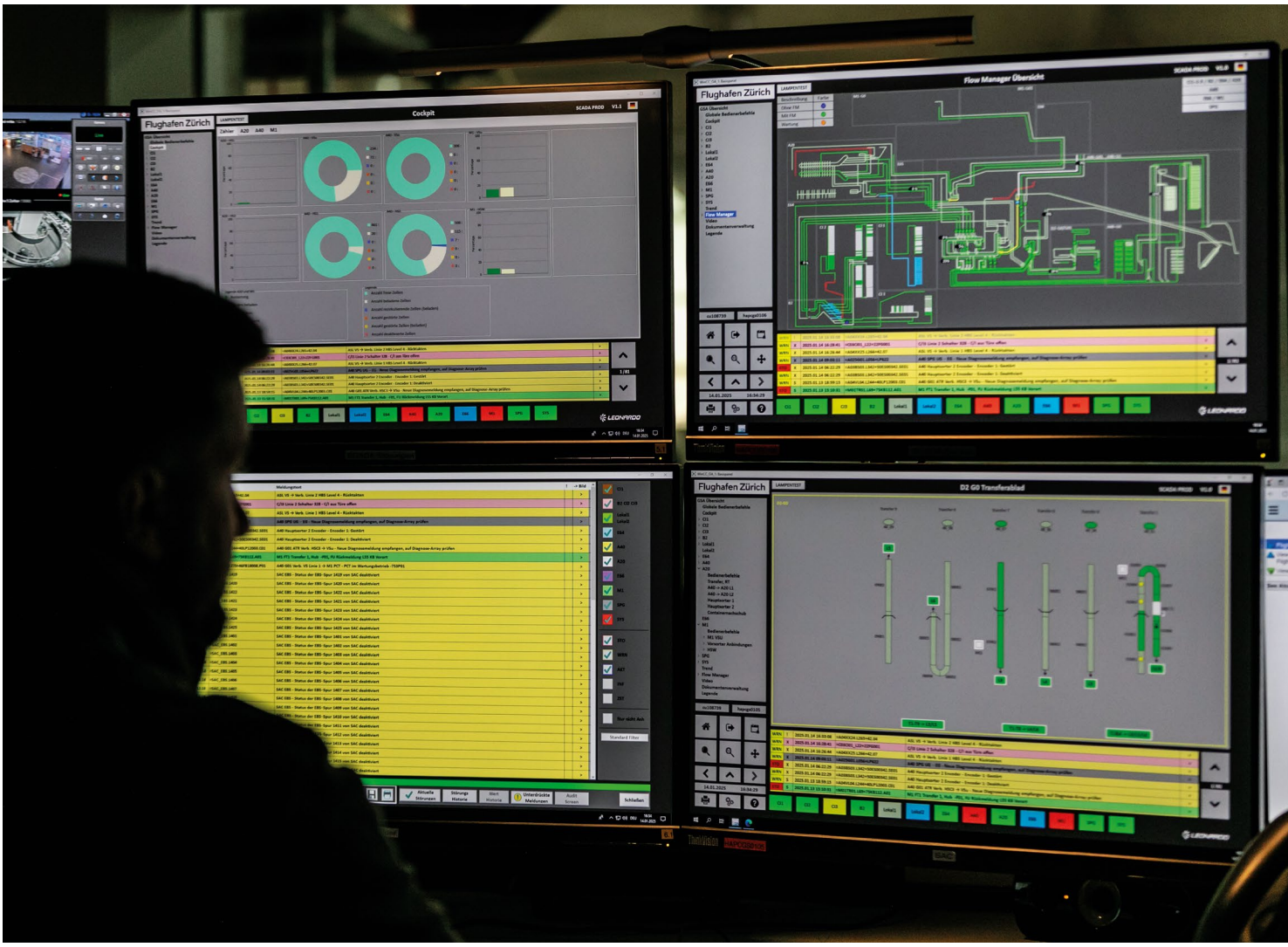
SORTSIGHT

Providing continuous monitoring and analytics to optimise performance

Leonardo's SortSight is an advanced analytics platform that provides real-time monitoring, diagnostics, and historical analysis for logistics systems. It simplifies system validation, enhances maintenance, and enables data-driven optimisations.

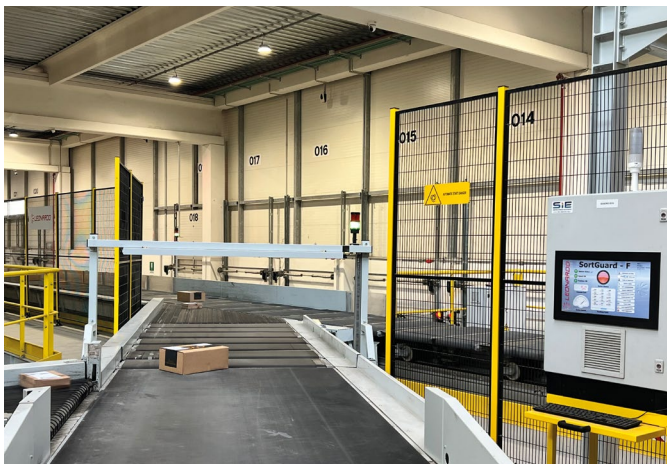
- → **Comprehensive System Monitoring**: Aggregates real-time data from multiple devices for a unified operational view
- → **Advanced Diagnostics**: Speeds up troubleshooting by providing deep insights into system performance njoy smooth operations with minimal noise and disturbance
- → **KPI Tracking & Optimisation**: Enables data-driven decisions for improved efficiency and reduced downtime
- → **Customisable Dashboards**: Configurable reports and visualisations tailored to user needs

With SortSight, Logistics operators gain actionable intelligence to enhance performance, reduce inefficiencies, and drive continuous improvements in logistics operations.



ADVANCED MAINTENANCE TOOLS

A set of advanced maintenance tools have been designed to ensure the optimal performance and longevity of sorter carriers through comprehensive inspection and repair processes.
It features advanced diagnostic tools 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 of the sorting system.



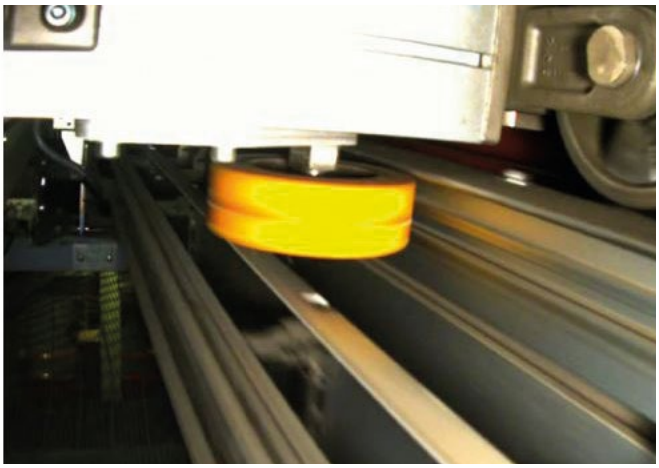
TRACK INSPECTION SYSTEM

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.

ADVANCED DIAGNOSTICS

Leonardo has introduced advanced diagnostic tools, enabling continuous, real-time monitoring and diagnostics during system operation (at operational speed) - not just during maintenance windows.
This shifts maintenance to a fully proactive approach, fostering predictive analytics and continuous learning from archived historical data.

- **Sort Guard-F**: a fixed monitoring station that tracks carrier height, pitch consistency, wheels profile, geometric alignment, ensuring stability and precision
- **Sort Guard-M**: a mobile unit mounted on a carrier, continuously analysing IPT cable positioning and FOD along the entire sorter path



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

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

SUPPLY CHAIN

HOW WE OPERATE

Leonardo Group's activities are based on an interconnected supply chain dedicated to innovation to which international suppliers and highly specialised small and medium-sized enterprises contribute.

Leonardo Automation has developed a meticulous internal process to qualify suppliers for inclusion in the Register:

- **Pre-Qualification by Leonardo Group**: Ethical, legal, financial, and turnover dependency requirements are evaluated centrally
- **Qualification by Automation BU**: managed directly by the Automation Business Unit, focusing on:
  - → BU Procurement Control: Ensuring procurement meets our stringent criteria
  - → Quality and HSE Control: Assessing quality and Health, Safety, and Environmental standards
  - → Additional evaluations: Gathering inputs from other functions involved, depending on the supplier category

DEDICATED WAREHOUSE

Leonardo Automation boasts a large, dedicated warehouse space to accommodate more than 20,000 components. Leonardo develops, implements and manages solutions to make the supply chain lean, agile and demand oriented. In this way, it is able to anticipate customer needs and reduce delivery times.

OBSOLESCENCE

Leonardo ensures the long-term reliability of airport sortation systems by proactively managing component availability throughout their lifecycle. We continuously monitor the supply chain to anticipate component obsolescence, such as motors or drives that are to be no longer manufactured. When a part becomes obsolescent, we identify and provide alternative solutions, ensuring seamless integration with existing systems. Our strategic supplier partnerships, stock management, and upgrade pathways guarantee that airports receive timely replacements and sustainable maintenance options. With Leonardo, airports can trust in continuous support, minimised downtime, and future-proofed operations, keeping their baggage handling systems efficient for years to come.

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. Leonardo's solutions are designed to optimize airport operations, reduce turnaround times, and enhance the passenger experience. Our expertise makes us the trusted partner for airport operators looking to upgrade their baggage handling capabilities.

WHY CHOOSE LEONARDO AUTOMATION

- **25+ years of Expertise**: Leonardo Automation is a trusted partner in logistics and airport operations worldwide.
- **Tailored Solutions**: Custom-built to fit your specific operational and business needs.
- **Innovative and Reliable Technology Partner**: Leading-edge systems that integrate seamlessly with your existing infrastructure.
- **Global Presence**: delivering reliable, high-performance solutions across the world.
- **Financial Strength**: Thanks to being part of the Leonardo Group, one of the world's leading companies in aerospace, defense, and security, Leonardo Automation benefits from exceptional financial stability. This strong backing ensures the reliability and longevity of our solutions.
- **Multisort600 - Proven & Sustainable**: Our Multisort600 technology is a proven solution, widely recognized for its reliability and high performance. It's engineered for efficiency, scalability, and sustainability, making it an ideal choice for your operations.

OUR ESG 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 2025-2029 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.

Leonardo Group's systems support Net Zero 2030 by optimising energy use, reducing emissions, and using ecofriendly materials:

- **Low-Energy Motors & Drives** - High-efficiency motors, frictionless linear drives, and smart energy management significantly cut power consumption
- **Intelligent System Optimisation** - Real-time adjustments minimise idle times and reduce unnecessary energy use
- **Sustainable Materials & Design**:
  - → **Recyclable & Low-Impact Materials** - Stainless steel, aluminium, and fire-resistant PVC ensure durability and recyclability
  - → **Lightweight & Modular Construction** - Reduces material use, simplifies upgrades, extends system lifespan, and minimises waste

With adaptable conveyor systems suitable for various baggage types, Leonardo Group combines efficiency, sustainability, and innovation to help airports meet Net Zero 2030 goals while maintaining peak operational performance.

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

WELFARE INITIATIVES

Leonardo Group is dedicated to enhancing the wellbeing of its employees and the communities it serves through a range of welfare initiatives. These include comprehensive health insurance, fitness programs, mental health support, and flexible working options to promote work-life balance. The company also invests in career development through skill-building workshops, leadership programs, and educational scholarships. Beyond employee welfare, Leonardo Group is committed to corporate social responsibility, supporting sustainability efforts, volunteering, and local community projects. Together, these initiatives reflect the company's commitment to people, progress, and positive social impact.

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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LEONARDO AUTOMATION

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