

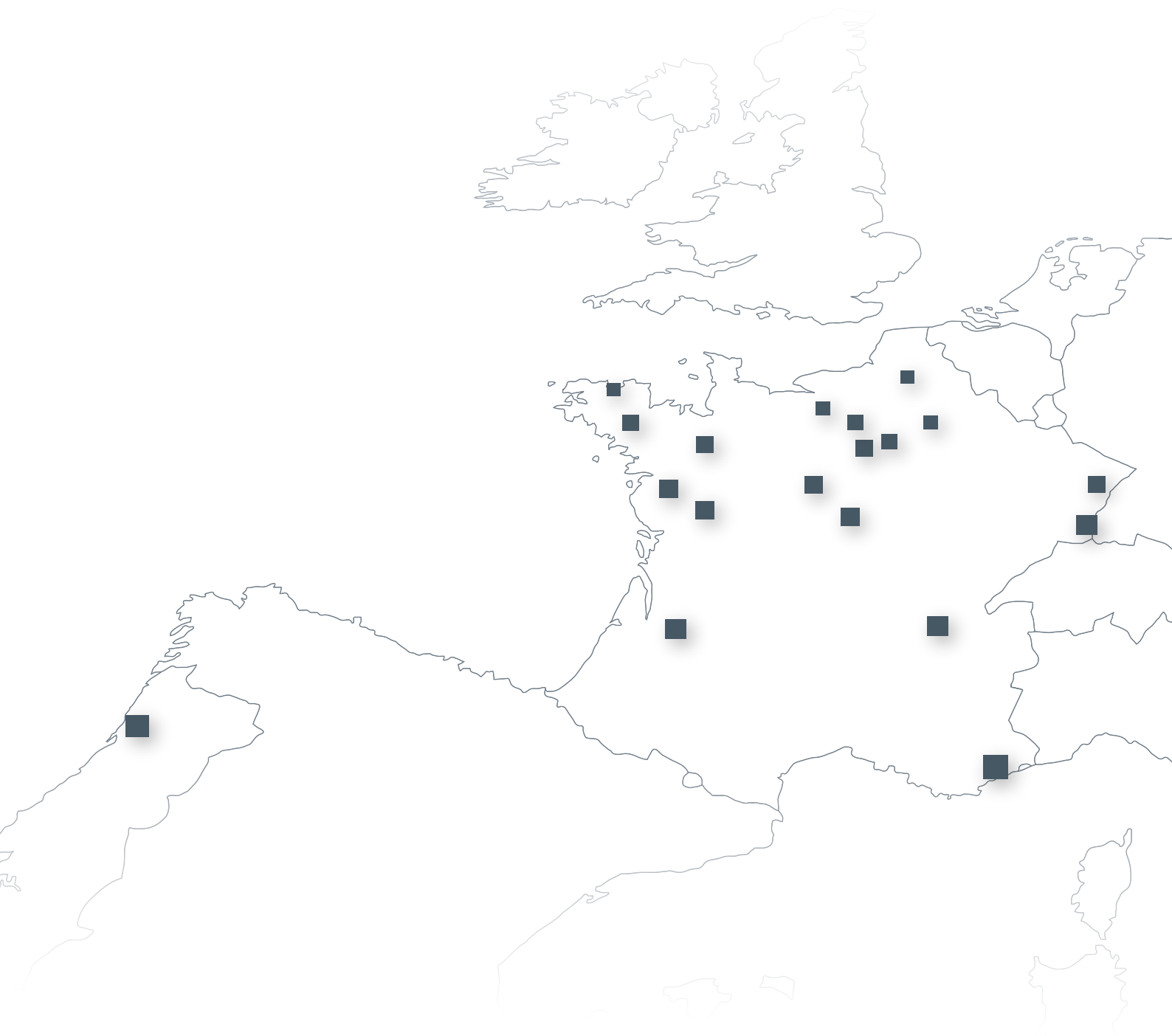
# BAGGAGE & SECURITY SYSTEMS

WE ALREADY BUILD THE SOLUTIONS OF THE FUTURE  
TO IMPROVE THE PASSENGERS EXPERIENCE

[www.alfyma-airport.com](http://www.alfyma-airport.com)



**ALFYMA**  
AIRPORT



# ABOUT US

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**SINCE 1974, ALFYMA HAS BEEN PROVIDING CONVEYOR BELT SYSTEM MAINTENANCE SERVICES FOR A NUMBER OF INDUSTRY SECTORS**

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In response to customer demand, Alfyma subsequently decided to use its extensive maintenance experience to build its own conveyors, integrating additional systems and thus proposing a range of complete self-contained systems for a number of different applications:

- Airport and logistic applications
- Recycling industry,
- Food industry
- Mining and quarry industry

Alfyma has a staff of 230 distributed over 19 agencies covering the whole of France and Portugal.

As designers, suppliers and installers of sorting chains (Baggage Handling System and return tray system), we have largely developed our business in the airport sector. Our solutions perfectly meet your expectations, thanks to the experience we have built up over the years. This brochure presents the solutions we have on offer. Our engineers and sales representatives remain at your disposal for any advice or technical precisions related to your installations.

# ALFYMA AIRPORT

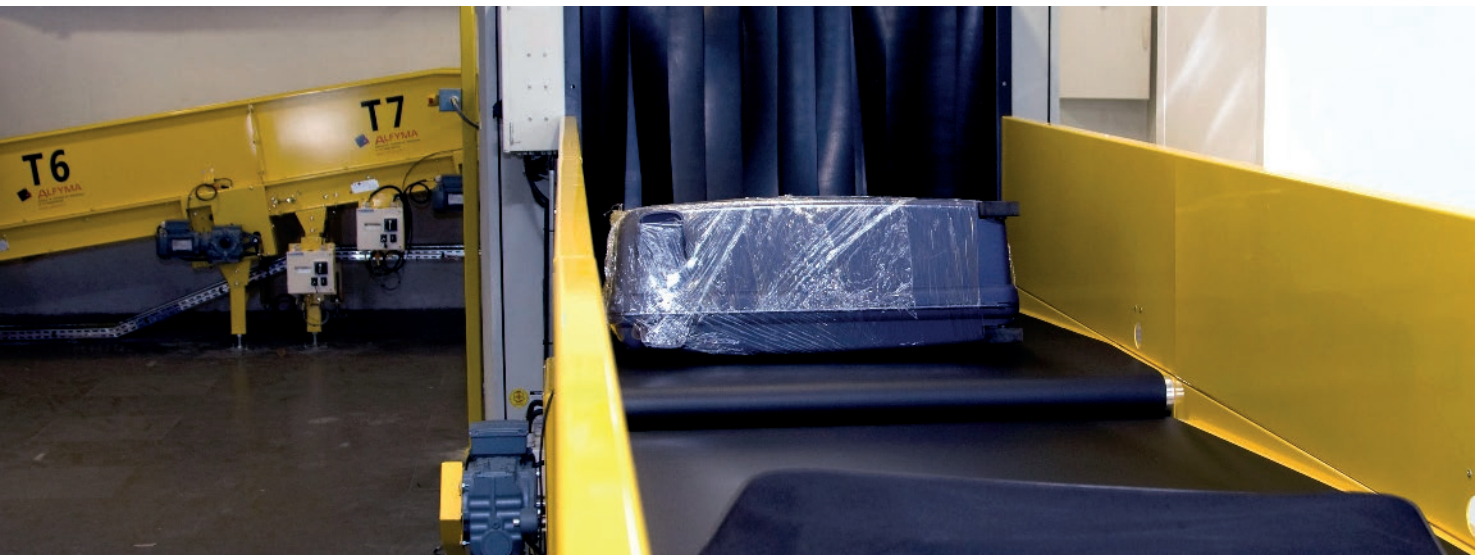
**TODAY, FOR AIRPORT APPLICATIONS, ALFYMA PROVIDES COMPLETE BAGGAGE PROCESSING SYSTEMS (BHS SOLUTION) INCLUDING STANDARD 3 EDS INTEGRATION AS WELL AS CHECK-POINT SOLUTION (TRS LINES) FOR FRENCH AND INTERNATIONAL CUSTOMERS.**

Alfyma coordinate its teams to offer reliable and competitive solutions and thus ensure the optimization of your airport facilities.

Alfyma focuses its expertise to offer its customers with complete service solutions: from the design phase to the installation and commissioning of your system.

Alfyma also provides maintenance services for its installations.

Check-in, belt conveyors, roller tables, valves, pushers, carousels or curtains and fire doors, Alfyma offers global experience allowing you to work with absolute peace of mind. We also integrate sorter, cross belt etc...



## MAIN AIRPORT REFERENCES



PARIS  
AIRPORTS



PARIS  
BEAUVAIS



SAINT-ÉTIENNE  
LOIRE



BÂLE-MULHOUSE  
FRIBOURG



NICE  
CÔTE D'AZUR



TOULOUSE  
BLAGNAC



NANTES  
ATLANTIQUE



LISBON  
AIRPORT



NOUMÉA  
LA TONTOUTA



GENEVA  
AIRPORT



AJACCIO  
NAPOLÉON-BONAPARTE



TAHITI  
FAAA

## TURNKEY SYSTEMS

Alfyma, designs implements and supplies turnkey handling systems and TRS tray return systems.

Alfyma offers full support and comprehensive service, from system design to maintenance.

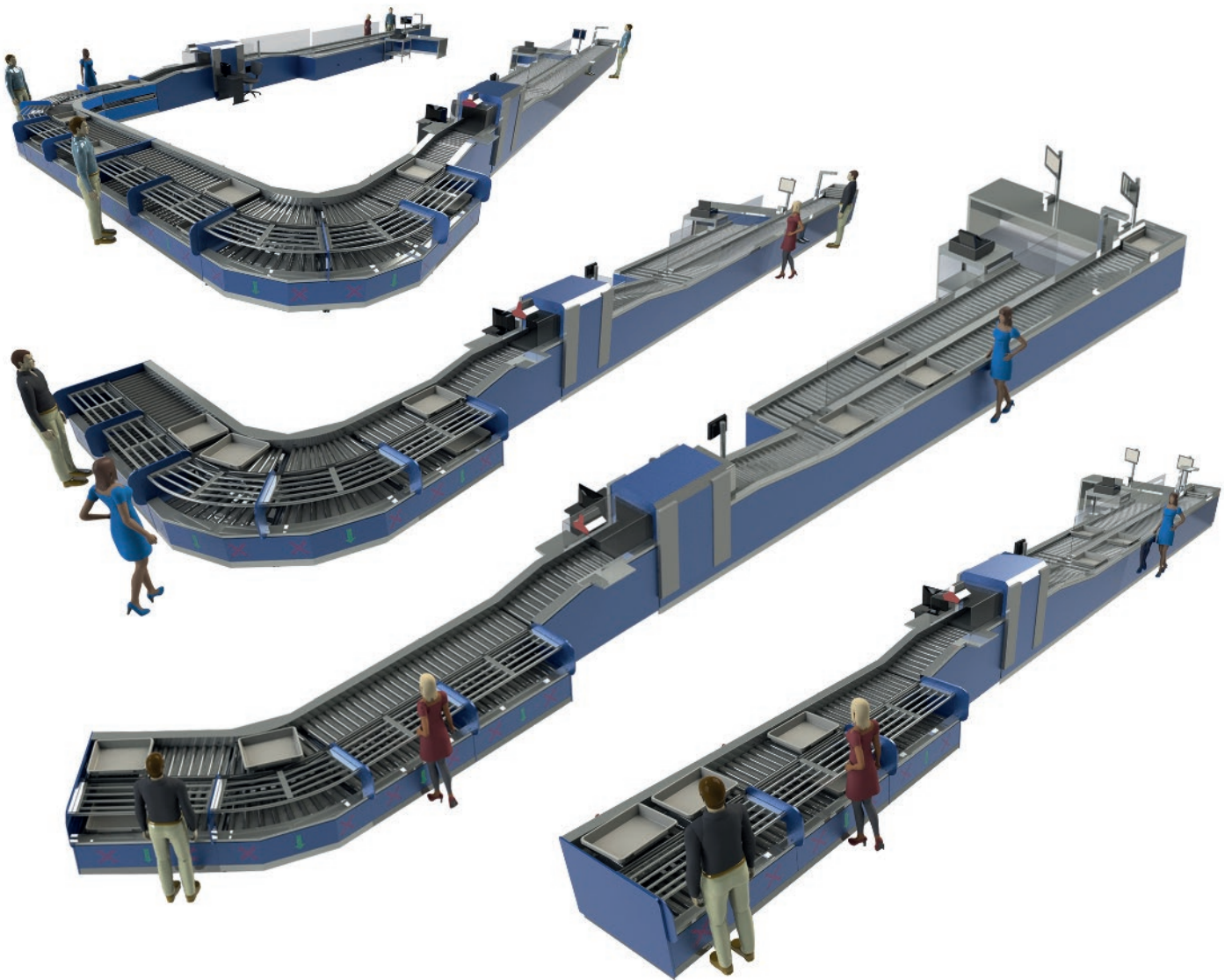


# TRAY-RETURN SYSTEM

## MODULARITY

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Each airport has its own specific configuration and requirements. This calls for a flexible and customer oriented approach to integrate seamlessly into the airport design and layout without compromising cost and security. Our TRS system consists of a wide range of modules. (Modules for curves or straight sections, etc.)



## FLOW RATE-INTERFACE

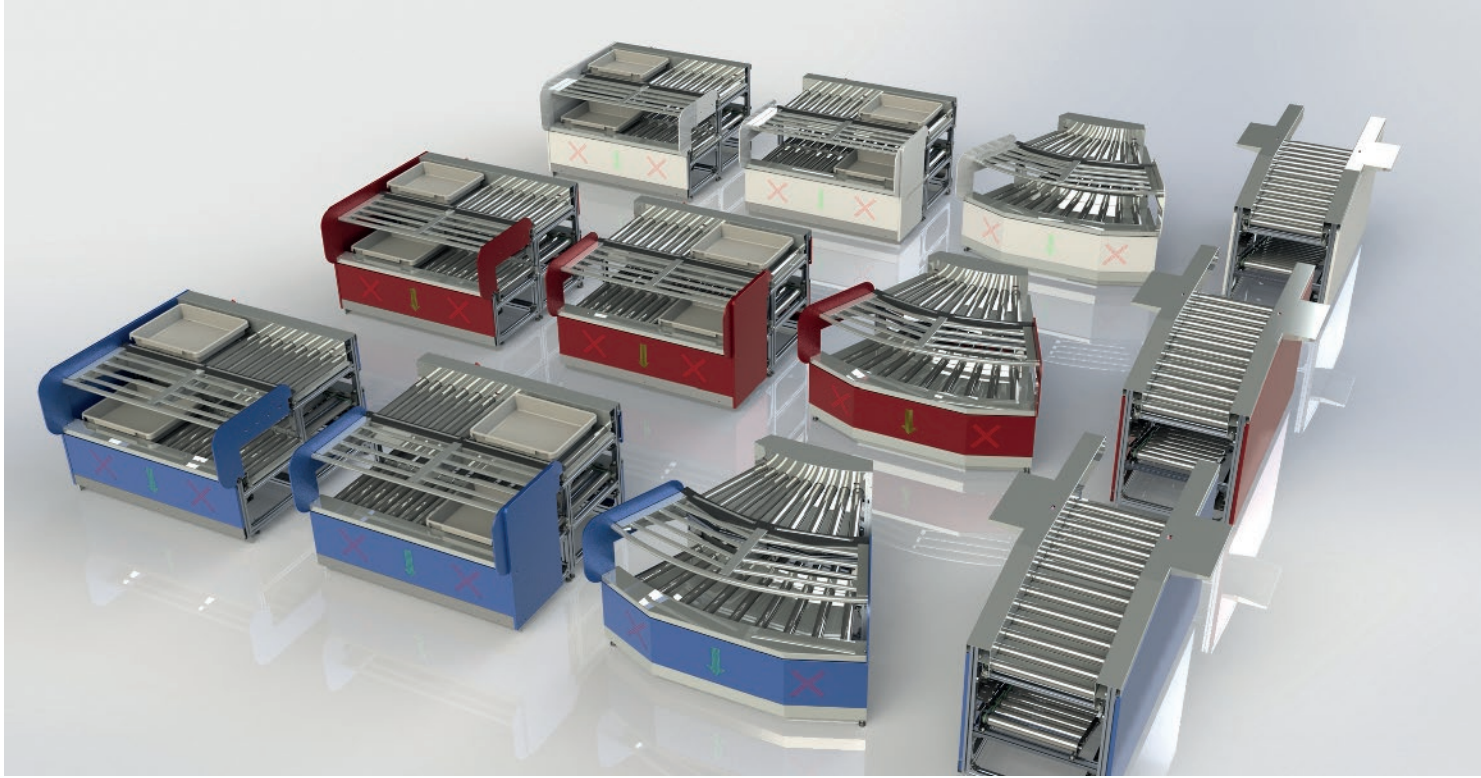
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An automatic tray-return system in which multiple factors influence the flow rate. This keeps screening equipment moving and helps avoid unnecessary interruptions that will impact flow.

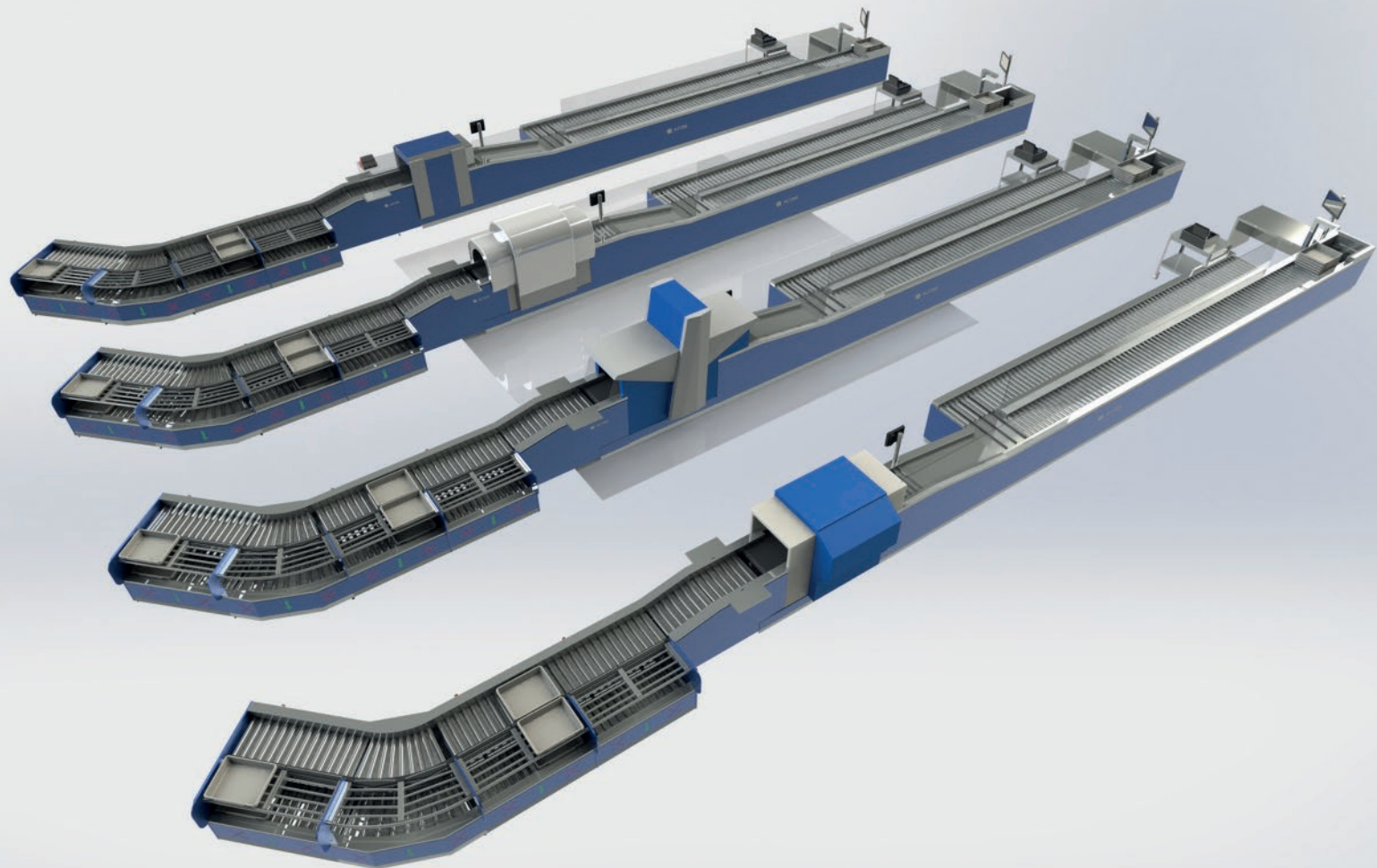
# PASSENGER EXPERIENCE

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Aesthetics and design have a strong influence on the passenger experience and reduce stress. The lines have been designed to make the security process logical, intuitive and as stress-free as possible. At the preparation post the passenger can load 2 or 3 trays at a time, maximizing the passenger flow, time is then perceived as shorter.







# INSTALLATION

Floor space is a valuable commodity in airport security areas. Our security control lines are made up of key modular components. Their flexible design enables many different configurations to be used, allowing maximum use of the available space inside the terminal.

## AIRPORT REQUIREMENTS:

- Capability to integrate mechanically the C1 to C3 machines
- Centralization also available with C1 to C3 machine

# CUSTOMISATION

The Alfyma lines can be personalized according to your preferences and needs regarding appearance and design. We can provide you with many different colours. Corporate logos can also be incorporated.

<b>RAL 1001</b>	<b>RAL 1003</b>	<b>RAL 1016</b>	<b>RAL 1018</b>	<b>RAL 1019</b>	<b>RAL 2003</b>	<b>RAL 2010</b>	<b>RAL 2011</b>	<b>RAL 3001</b>	<b>RAL 3005</b>	<b>RAL 3011</b>
P076	G031	Z016	M013	M101	N001	F001	V014	R036	A088	G024
<b>RAL 4004</b>	<b>RAL 4005</b>	<b>RAL 4007</b>	<b>RAL 4010</b>	<b>RAL 5000</b>	<b>RAL 5002</b>	<b>RAL 5012</b>	<b>RAL 5014</b>	<b>RAL 5015</b>	<b>RAL 5022</b>	<b>RAL 5023</b>
R041	L067	C119	R045	B118	B123	B086	B12	B001	M104	C018
<b>RAL 5024</b>	<b>RAL 6011</b>	<b>RAL 6013</b>	<b>RAL 6019</b>	<b>RAL 7001</b>	<b>RAL 7004</b>	<b>RAL 7005</b>	<b>RAL 7006</b>	<b>RAL 7016</b>	<b>RAL 7021</b>	<b>RAL 7024</b>
C118	E082	K003	A036	G013	G075	F006	P001	G076	P114	G059
<b>RAL 7035</b>	<b>RAL 7036</b>	<b>RAL 7040</b>	<b>RAL 7047</b>	<b>RAL 8004</b>	<b>RAL 8019</b>	<b>RAL 8025</b>	<b>RAL 9005</b>	<b>RAL 9003</b>	<b>RAL 9016</b>	
0149	G080	G003	G044	B120	B127	N055	N005	B068	B068	

# CENTRALIZED REMOTE SCREENING

Centralized remote screening allows airports to centralise screening activity in a single control room where the X-ray images can be analysed. Several images on several lines can be controlled simultaneously by one or more operators. This makes it possible to optimize the image verification. The same operator can analyse the images from several safety control machines from a separate control room.

This is known as CIP (Centralized Image Processing) technology, it allows airports to control lines and manage operator numbers through centralized remote screening, thus removing the direct relationship of one screen per control machine. When the passenger flow is high, several operators can analyse images for a single line. When the passenger flow is low, a single operator can analyse the images for several lines.









# DEPARTURE (CHECK-IN)

## CONCEPTION

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Alfyma's check-in desks are designed to facilitate the passengers' journey by providing quick and efficient luggage check-in. All our desks are designed by our engineers to satisfy the specific demands of each airport.

## ERGONOMICS

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Our check-in desks offer better ergonomics for both passengers and airport staff. The low height of the conveyor belt and the inclined access make it easier to handle heavy luggage.

## FLEXIBILITY

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Our registration solutions are available in different models and can be adapted to any kind of configuration.

## MAINTENANCE

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Our conveyors ensure a luggage free transport. They allow check-in and maintenance personnel to work safely and easily



# ARRIVAL

**ALFYMA NOW OFFERS MORE SILENT CAROUSELS WITH A FRICTION TECHNOLOGY DEVELOPED TO REQUIRE THE LEAST MAINTENANCE IN THE FUTURE.**

Our carousels are made up of standard structural elements, consisting of one or more motorized modules, tensioner module, transport chains with guide rollers, transport tray, side cover and control unit.

The Alfyma's carousels have a modular shape allowing quick installation and easy integration into an existing system.

# BAGGAGE HANDLING SYSTEMS

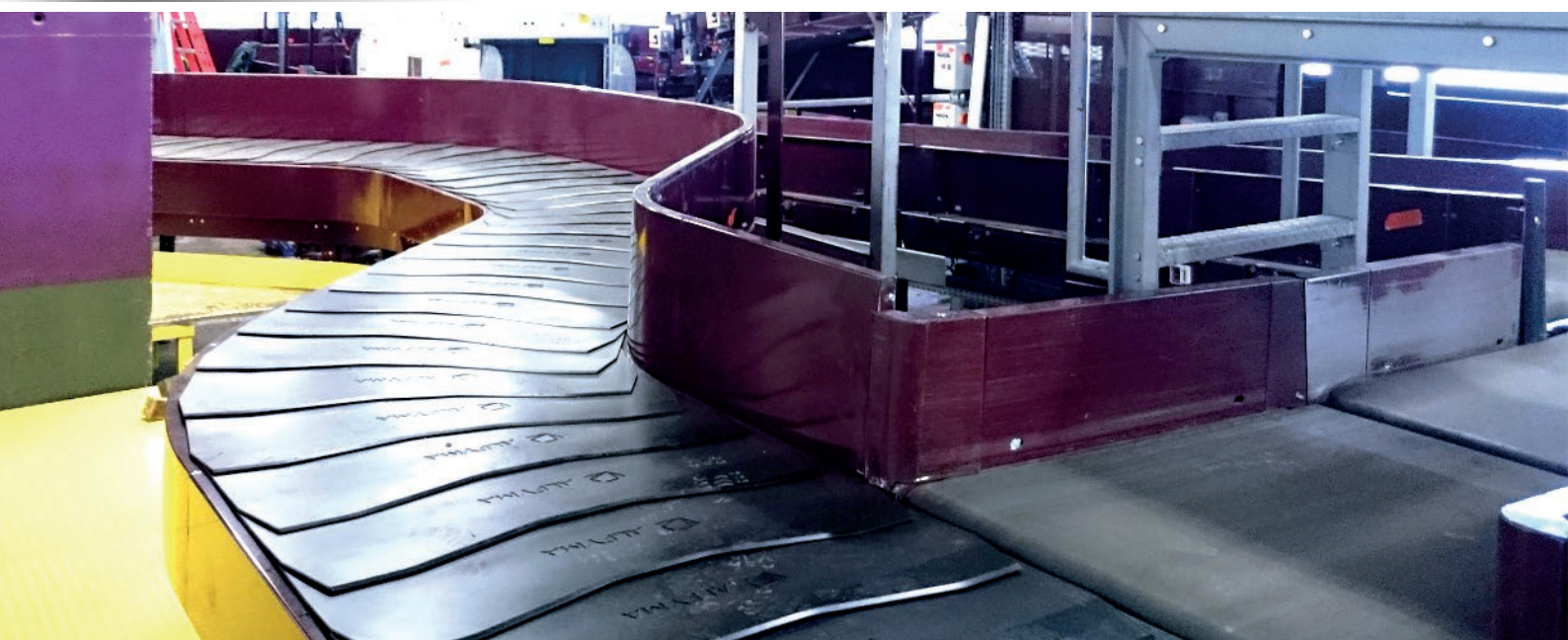
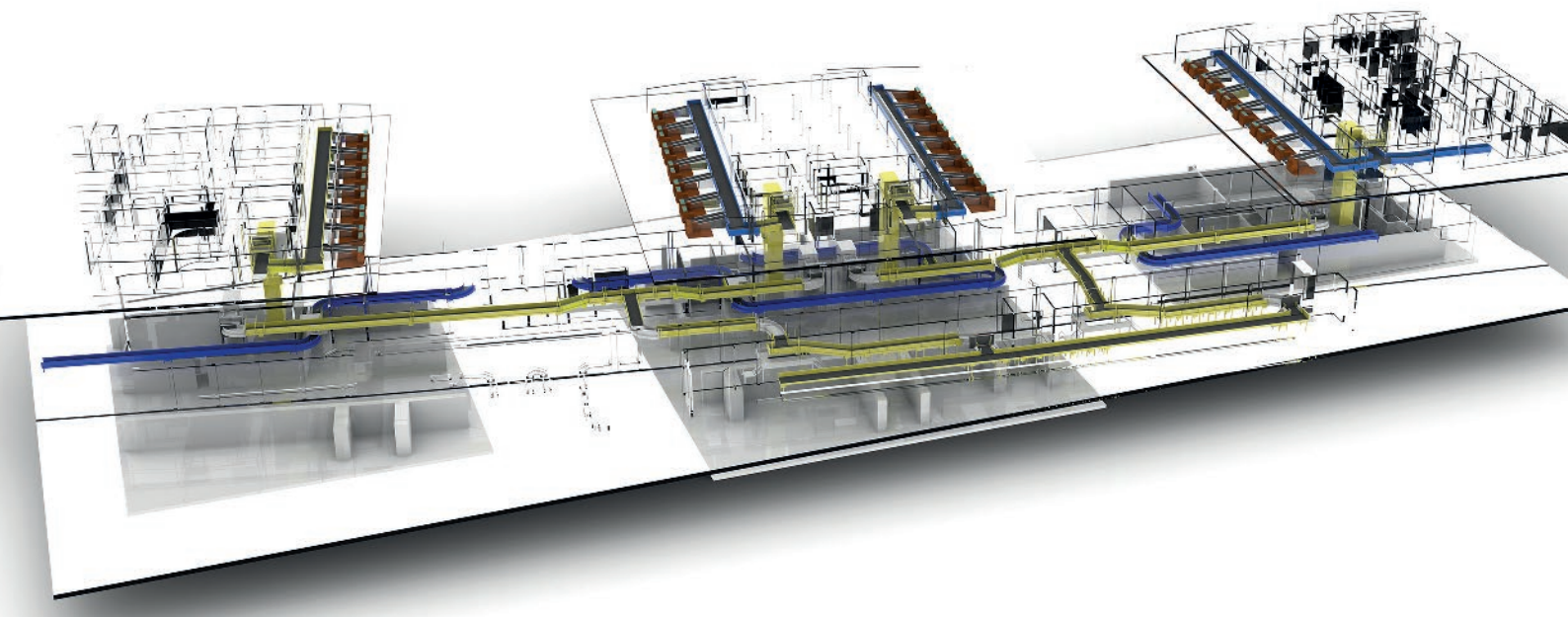
Alfyma provides Baggage Handling systems to airports all over the world. ALFYMA BHS are used to assemble, accumulate, insert and unload luggage. They are designed and made to be powerful, durable and reliable to meet the demands of all airports, whatever their size.

## NEW BHS SECURITY REQUIREMENT

A new European regulation, applicable from September 2020, will impose that BHS lines are equipped with 3 screening machines as standard.

What are the consequences for the airport?

- Complete re-engineering of BHS systems
- Severe price increasing of EDS machines and BHS lines
- Machine capacity is higher with the 3 machines standard but not sufficient to replace 2 standards, 2 machines by 1 standard 3.
- Long extension to the conveyor line between screening machine and decision point.
- Increased BHS maintenance cost.





# ASSISTANCE, EXPERTISE AND TECHNICAL ADVICE

THANKS TO OUR NETWORK FRANCE, WE CAN OFFER A TEAM OF TECHNICIAN AND ENGINEER WHO CAN HELP YOU AT THE PRE-PROJECT STAGE (CALCULATION OF THE WORK RATE AND FACILITIES CAPACITIES). OUR TECHNICIANS RECEIVE CONTINUOUS TRAINING TO TAKE FULL ADVANTAGE OF OUR PRODUCTS.

## CONSULTING AND DESIGN

Our engineers are at your disposal to assist you in the study of the construction or optimization of your productivity by offering you complete solutions. Alfyma has a large in-house design office that integrates and designs all types of machines and infrastructure.

## MANUFACTURING AND INSTALLATION

Our qualified and experienced teams ensure the manufacturing and installation of your plant in a competitive timeframe depending on your needs. Our experience in this area allows us to ensure you a made-to-measure service meeting the new security requirements.

## AUTOMATION AND ELECTRICITY

Our team supports you in the design and realization of your project in industrial electricity and automation: functional analysis, electrical diagram, PLC programming, operator interface and supervision.

## COMMISSIONING

Our teams ensure the commissioning of your installation according to your specifications. Our contracts guarantee results and serenity.

## MAINTENANCE

The priority of Alfyma is to do everything possible to keep your productivity on the top and to minimize the downtime of your operation. Our technicians are available 24 hours a day, seven days a week; we can react in a few hours to ensure the maintenance and/or repair of your installations.



## MAINTENANCE CONTRACT

Our after sales service can offer preventive or curative maintenance of your installation. The maintenance performed by our teams includes several steps:



1

Definition of your upstream needs by our design office

2

Intervention on your site

3

Drafting of a report following the intervention

4

Establishment of a CMMS possible as a permanent maintenance contract



ZAC de Sainte-Apolline  
122, rue des Cerisiers  
78370 Plaisir  
Tel. +33 (0) 1 30 54 23 61

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