

**BUCHAREST
AIRPORTS®**

INVESTMENT **PLAN**

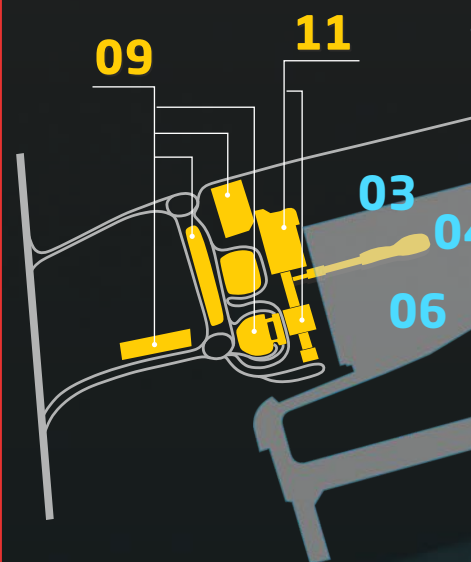
2023–2025+

2023

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apron 1 widening aircraft stands

WIDENING OF HENRI COANDA AIRPORT APRON 1 TO THE NORTH

DESCRIPTION:

- ▶ Capacity: 4 new aircraft stands for C code aircraft (Boeing B737, Airbus 320), as well as the necessary installations for operating them.
- ▶ Pavement Classification Number = 85 R/D/W/T
Expanded and rearranged surface 15.865 sq. m. of which:
 - load-bearing capacity 14.915. sq. m.
 - shoulders surface 310 sq. m.
 - road surface 640 sq. m.

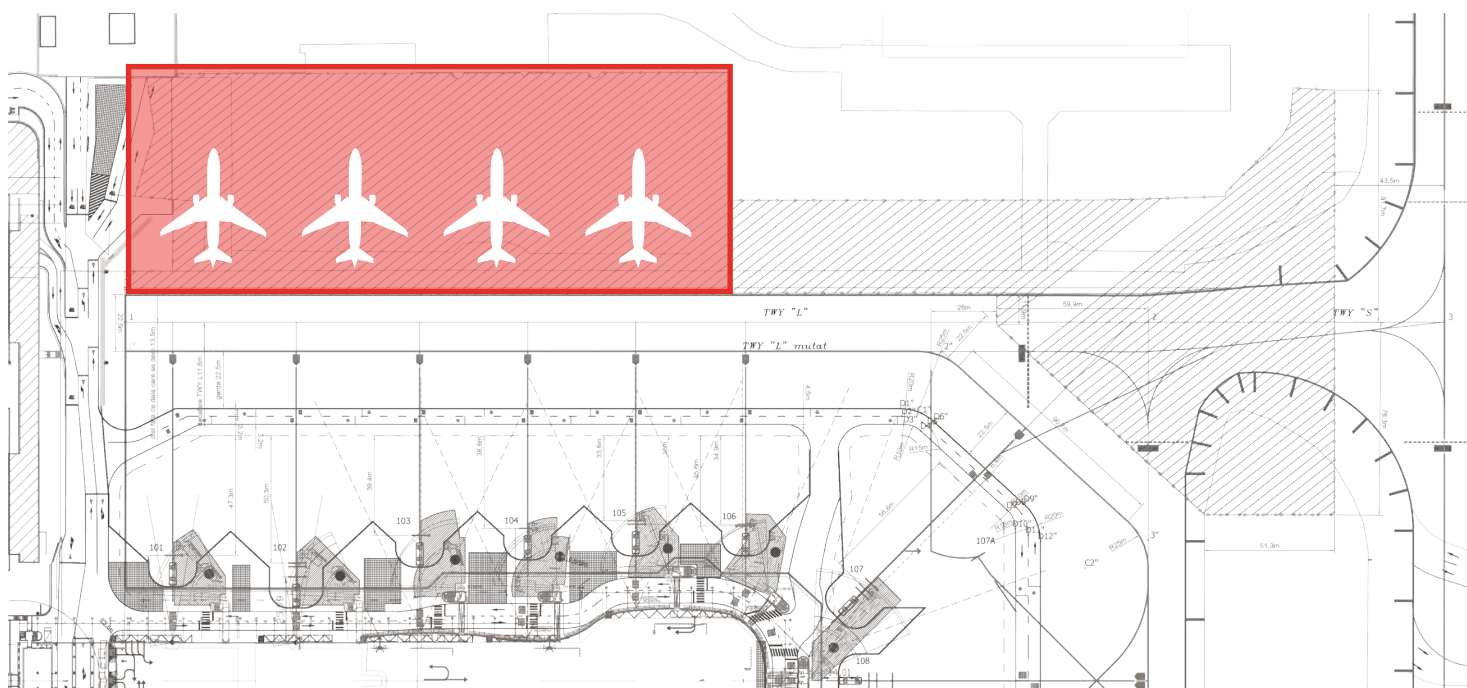
DEADLINE: : Q2 2023

FUNDING: self funding

PROJECT WORTH: RON 21.1mil

STATUS: in progress

DUE DATE: T2 2023



airbridge upgrade

Bucharest Henri Coanda International Airport currently has **14** airbridges.

DESCRIPTION:

- ▶ Two airbridges will be replaced in order to operate Boeing B757 - 300, B767 - 200/300, Airbus 320/321
- ▶ A new passenger airbridge will be installed in order to accommodate Boeing B757 - 300, B767 - 200/300, Airbus 320/321 aircraft
- ▶ Other 7 airbridges will undergo upgrade works on the electrical, mechanical & control systems.

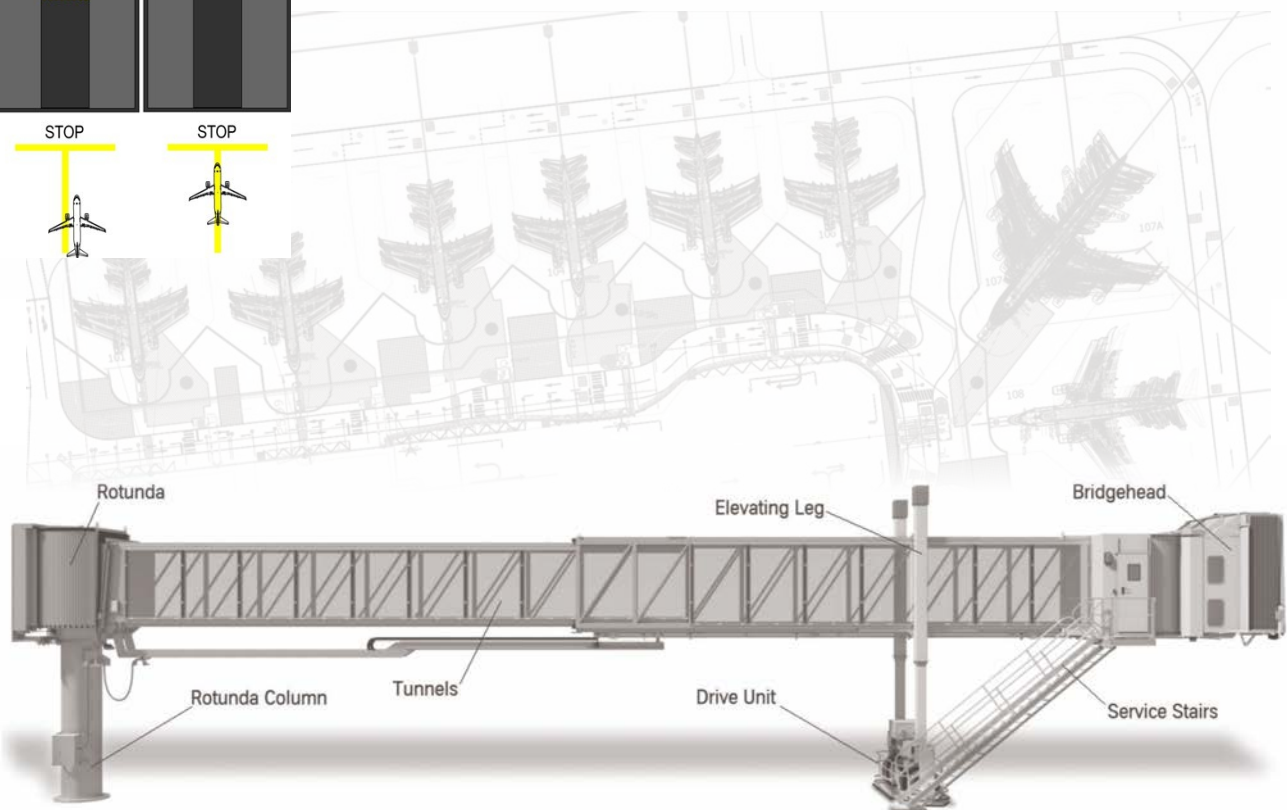
TOTAL WORTH: RON 24,3 mil

DEADLINE: - 12 months for repair & upgrade works ,
- 18 months for assembling the new airbridges.

STATUS: in progress - approved investment budget



The new airbridges will be equipped with VDGS (visual docking guidance system)



the increase of Henri Coandă airport capacity

[phase 1]

THE INCREASE OF HENRI COANDA AIRPORT CAPACITY and compliance with Regulation 139/2014

DESCRIPTION:

The investment will increase the airport operational capacity, through the optimization of the aircraft operation on the taxiways and increase of the parking positions numbers.

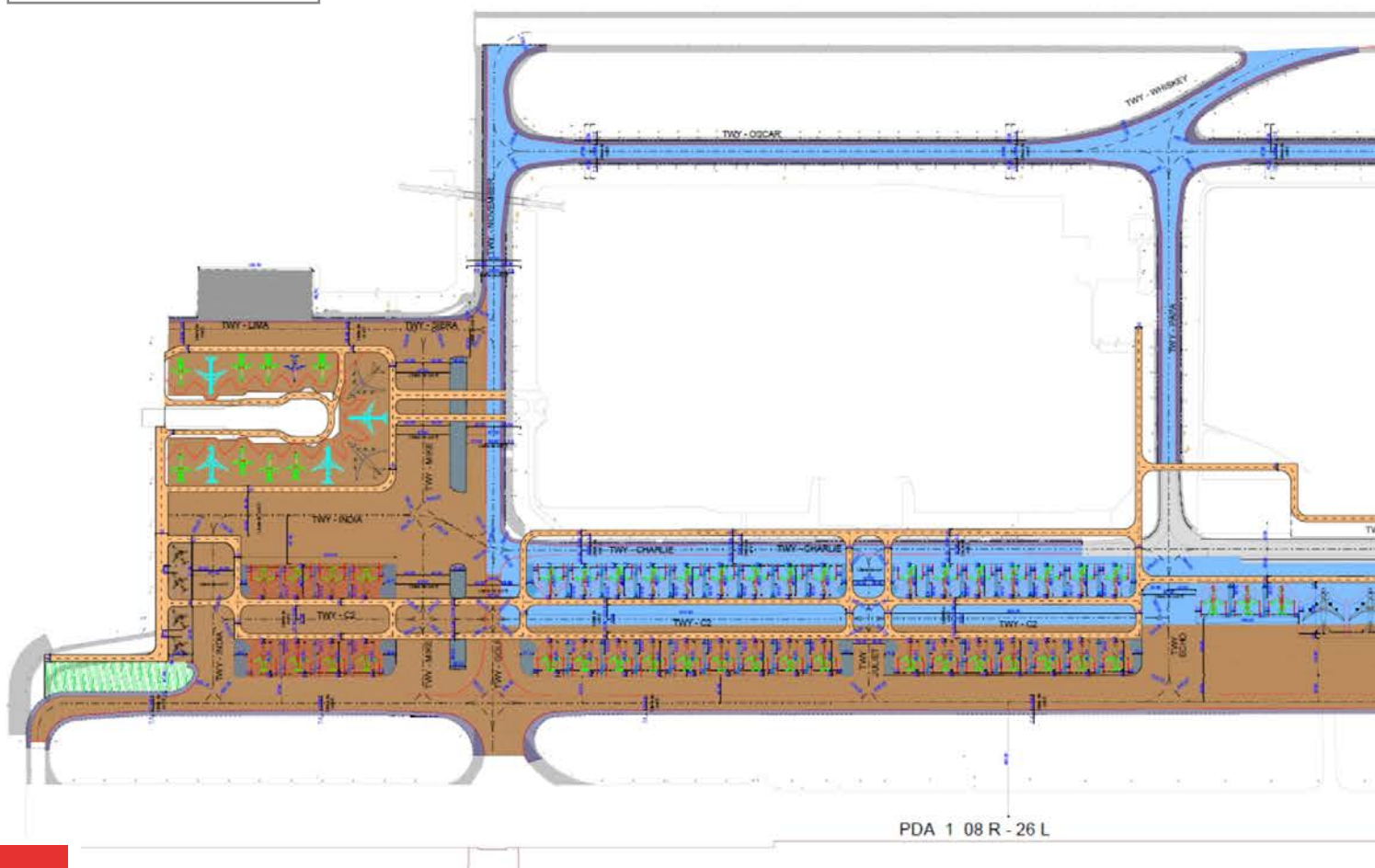
- ▶ Major repair works/upgrade on taxiways November, Papa, Victor, Whiskey, Charlie, Oscar.
- ▶ Replacement of the airport lighting system.
- ▶ Works on Apron 2 - on the current site and widening towards Delta taxiway.

TOTAL WORTH: RON 308 mil

DURATION: 24 months

RECORD WARRANTY: 109 months

STATUS: on-going contract



the increase of Henri Coandă airport capacity [phase 2]

THE INCREASE OF HENRI COANDA AIRPORT CAPACITY and compliance with Regulation 139/2014

PROJECT DESCRIPTION:

- ▶ Major repair works/upgrade on taxiways Alpha, Bravo, Golf.
- ▶ Upgrade and widening of Apron 1 and Apron 2 towards South up to Bravo taxiway and towards East up to Delta.

The project will be developed in-house.

PROJECT WORTH: RON 801 mil
DEADLINE: 2027

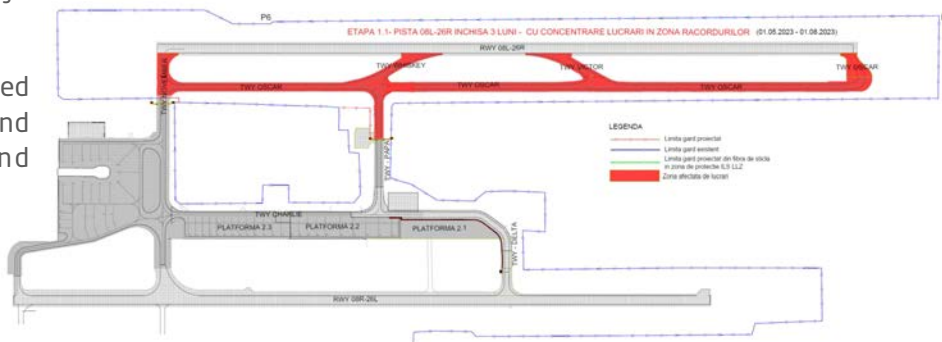
STATUS: procurement process initial stage



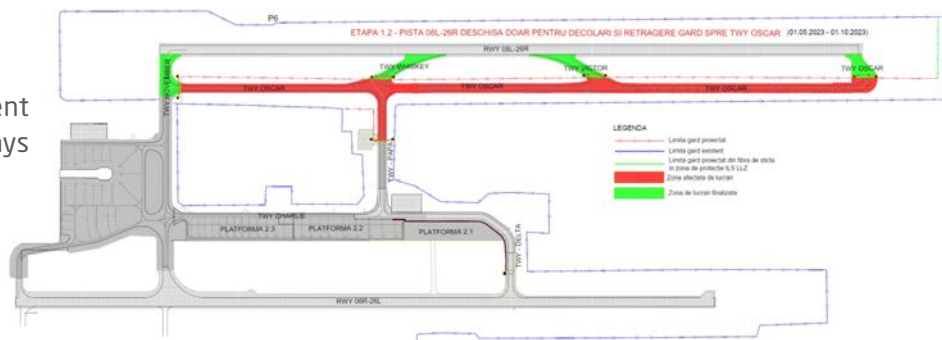
DESCRIPTION REG.139 - PHASE 1

PHASE 1 (duration: 5 months)

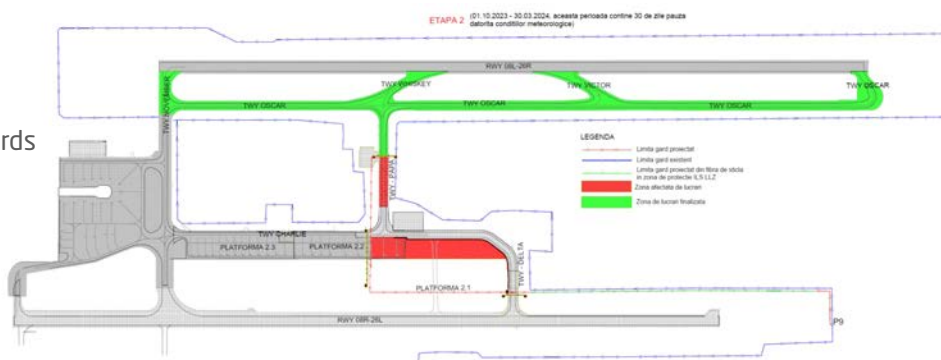
- (duration: 3 months)

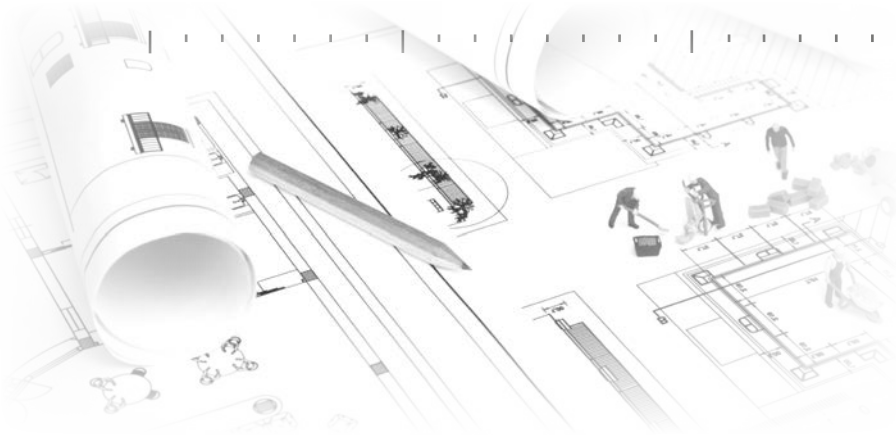


- (duration: 5 months))



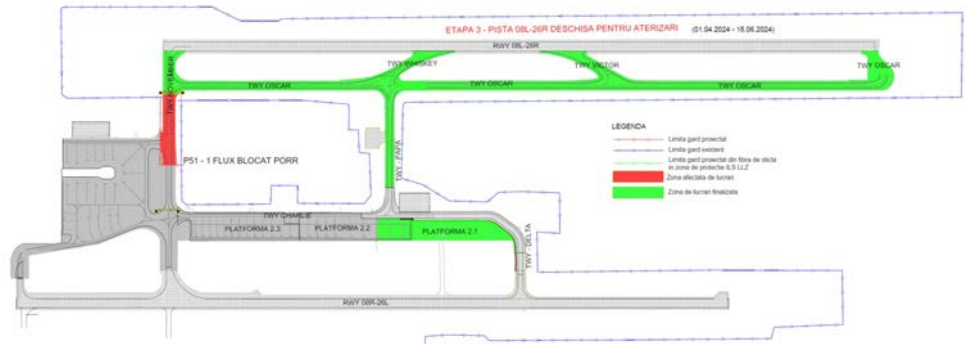
►WORKS: APRON 2 widening towards taxiway D.





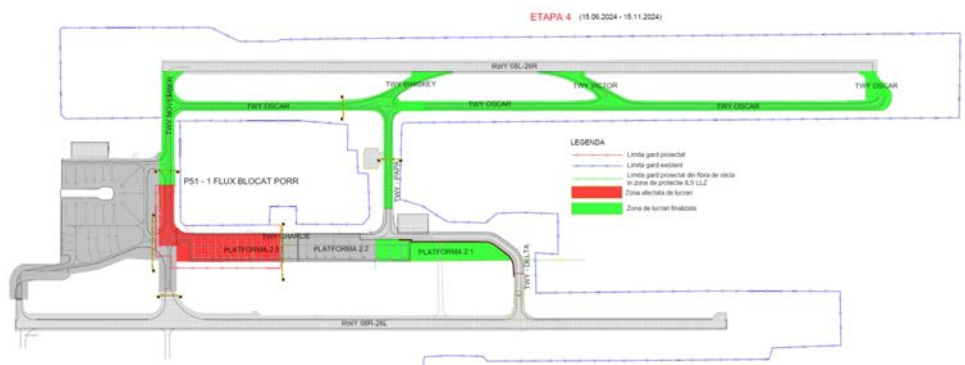
PHASE 3 (duration: 2.5 months)

- WORKS: Works on the passage over DN10 and TWY N between TWY O and PCA 51



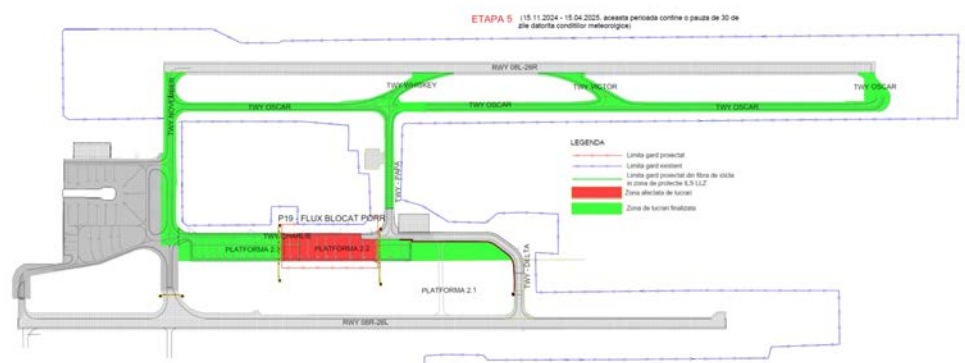
PHASE 4 (duration: 5 months)

- WORKS: adjustment and reinforcement works on taxiway N between P51 and taxiways C-G-N intersection; reconstruction of APRON 2 - section 2.3



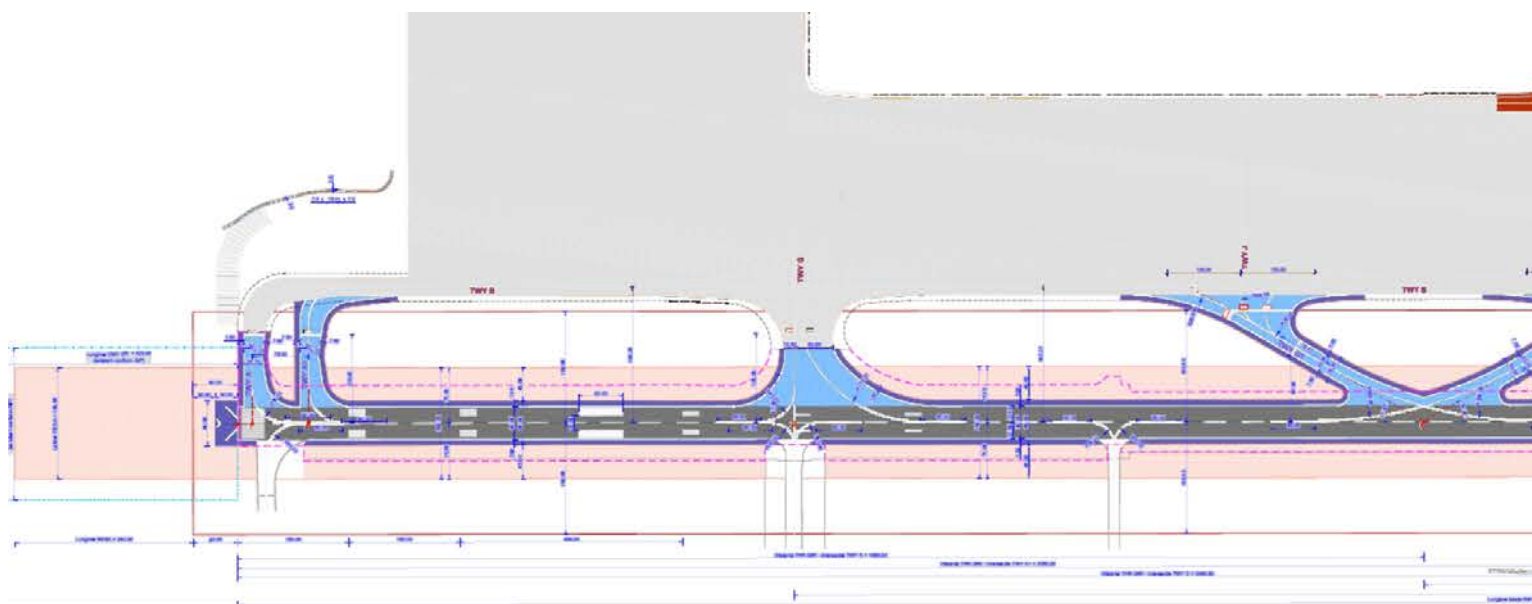
PHASE 5 (duration: 5 months)

- WORKS: reconstruction of APRON 2 - section 2.2



the increase of Henri Coandă airport capacity

[phase 3]



INCREASE OF 08R-26L RUNWAY CAPACITY

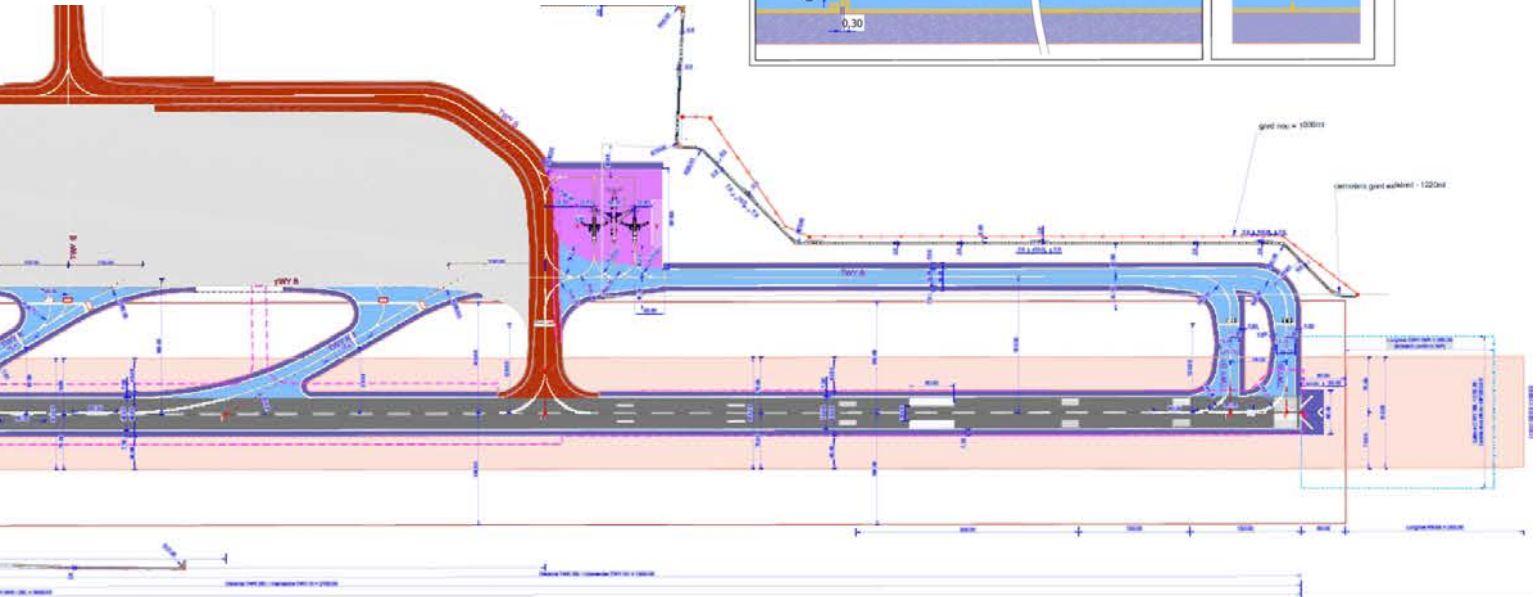
DESCRIPTION:

- ▶ Rapid exit taxiways;
- ▶ Multiple runway end holding positions;
- ▶ Extended of Bravo taxiway parallel to 08R-26L runway between Delta taxiway and 26L threshold;
- ▶ Aircraft deicing and anti-icing aprons for 08R-26L runway ends .

08R-26L runway:

Length: **3.500m**

Minimum width: **60m** of which **45m** of bearing capacity pavement and two shoulders of **7,5m**.



WORKS TO BE PROVIDED:

- ▶ Repair/replacement of concrete slabs;;
- ▶ Repair of existing expansion joints, including making new expansion joints at 50-60 m;
- ▶ Treatment of contraction joints of 20-25 cm thick geocomposite asphalt;
- ▶ Reinforcement of each 300 m of runway end with cement concrete;
- ▶ Making longitudinal and transverse drains;
- ▶ Works on the storm water drainage system;
- ▶ Arranging the taxiway intersections, including the intersections with Romeo and Hotel taxiways;
- ▶ Markings and signs;

ESTIMATED DEADLINE: 2028

FUNDING: self-funded + bank credit

PROJECT WORTH: RON 834.6 mil

STATUS: Final stage of feasibility study for "The rehabilitation and modernization works of 08 R-26L at Henri Coanda airport, including the connections to the taxiways, the related installations, the development of the runway safety area and the construction of 2 rapid exitways"..

airport parking

at Henri Coandă airport

LONG TERM PARKING P+2 P4 [in the proximity of the thermal power station no.1]

DESCRIPTION:

Total surface: 15.510 sqm.

ADDITIONAL PARKING LOTS: 805 [714 indoor + 95 outdoor].

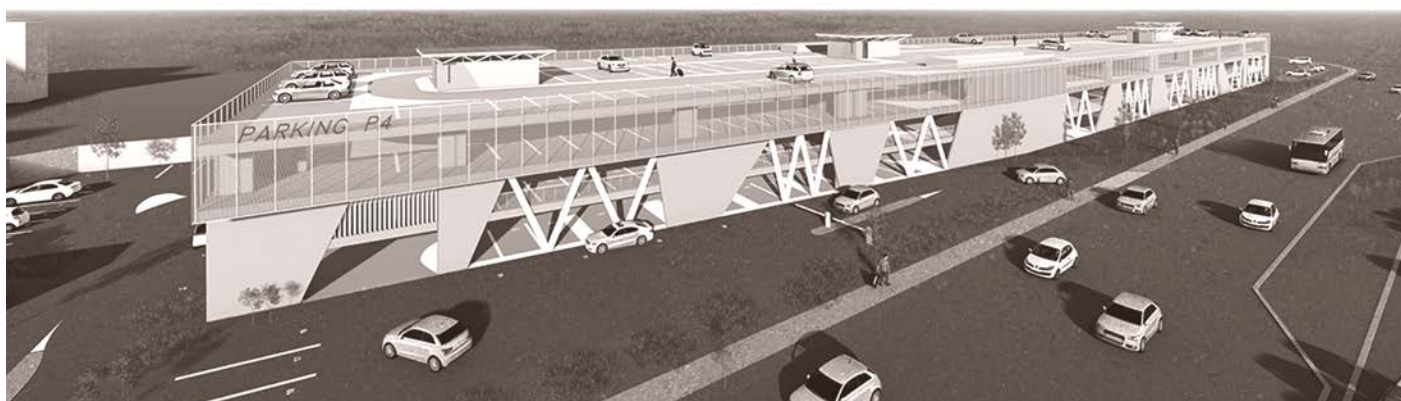
20 parking lots will be equipped with electric car chargers.

DEADLINE: 2025

FUNDING: own income

PROJECT WORTH: RON 72.4 mil

STATUS: on-going tender for parking design



LONG TERM PARKING NORTH AREA [in the proximity of the Departures Terminal]

DESCRIPTION:

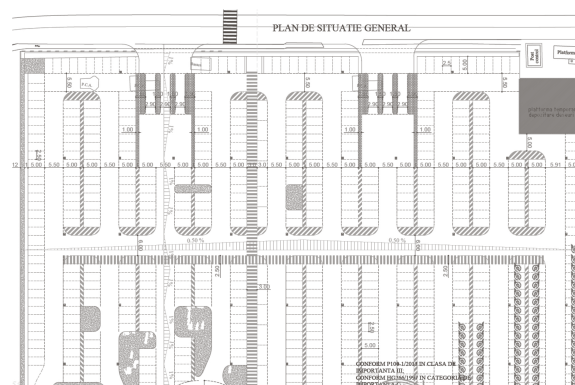
Surface: 20.565 sqm.

ADDITIONAL PARKING LOTS: 662

66 parking lots will be equipped with electric car chargers.

PROJECT WORTH: RON 18 mil

STAGE: on-going procurement process
for design and execution



NEW LONG TERM PARKING P+2 P5 [in the proximity of TAROM building]

DESCRIPTION:

Total surface: 17.740 sqm

ADDITIONAL PARKING LOTS: 792

20 parking lots will be equipped with electric car chargers.

DEADLINE: 2025

FUNDING: own funds

PROJECT WORTH: RON 70.1 mil

STATUS: on-going tender for parking design



UPGRADE AND CONSOLIDATION OF THE MULTILEVEL CAR PARKING ARRIVALS

DESCRIPTION:

The parking will have **699** more spaces, reaching a total of **1019** parking spaces. There will be **109** dedicated taxi spaces.

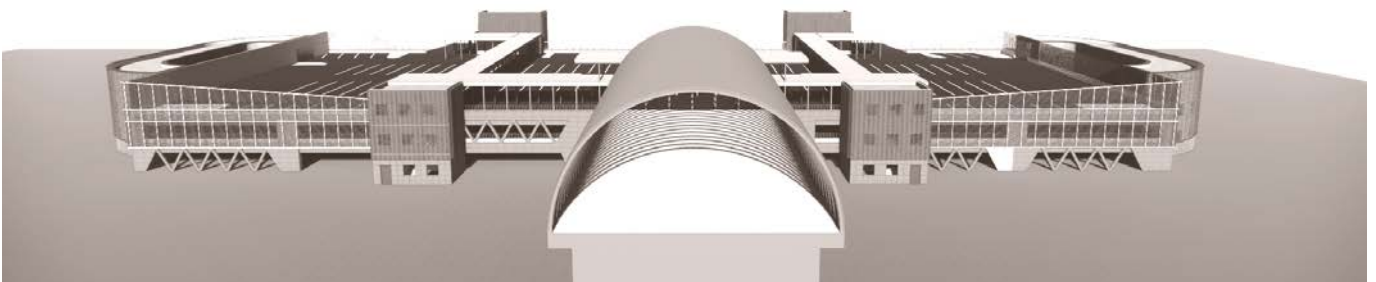
DEADLINE: 2025

FUNDING: self funding

PROJECT WORTH: RON 102.7 mil for execution and
RON 2.4 million for consultancy and technical assistance

THE PARKINGS WILL BE EQUIPPED WITH:
license plate recognition software,
electronic guidance; security warning
systems (burglary & access control,
cash & card payment systems).

STATUS: on-going procurement
process for execution



terminal modernization

Henri Coandă airport

INTERIOR REFURBISHMENT OF THE PUBLIC AREA

ARRIVALS/DEPARTURES TERMINAL

DESCRIPTION:

The refurbishment of the public area of Henri Coanda Airport will cover 16.620 sqm.
The new layout will set a modern and fresh ambiance.

THE PROJECT INCLUDES:

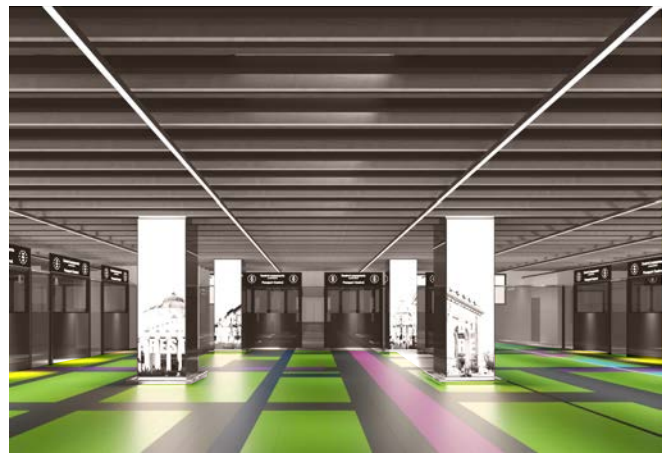
- ▶ Interior refurbishment of the terminals
- ▶ Air conditioning system
- ▶ Fire detection and extinguishing system
- ▶ Electrical system

DEADLINE: 2025

FUNDING: self funded

PROJECT WORTH: RON 139 mil

STATUS: on-going design and execution procurement process

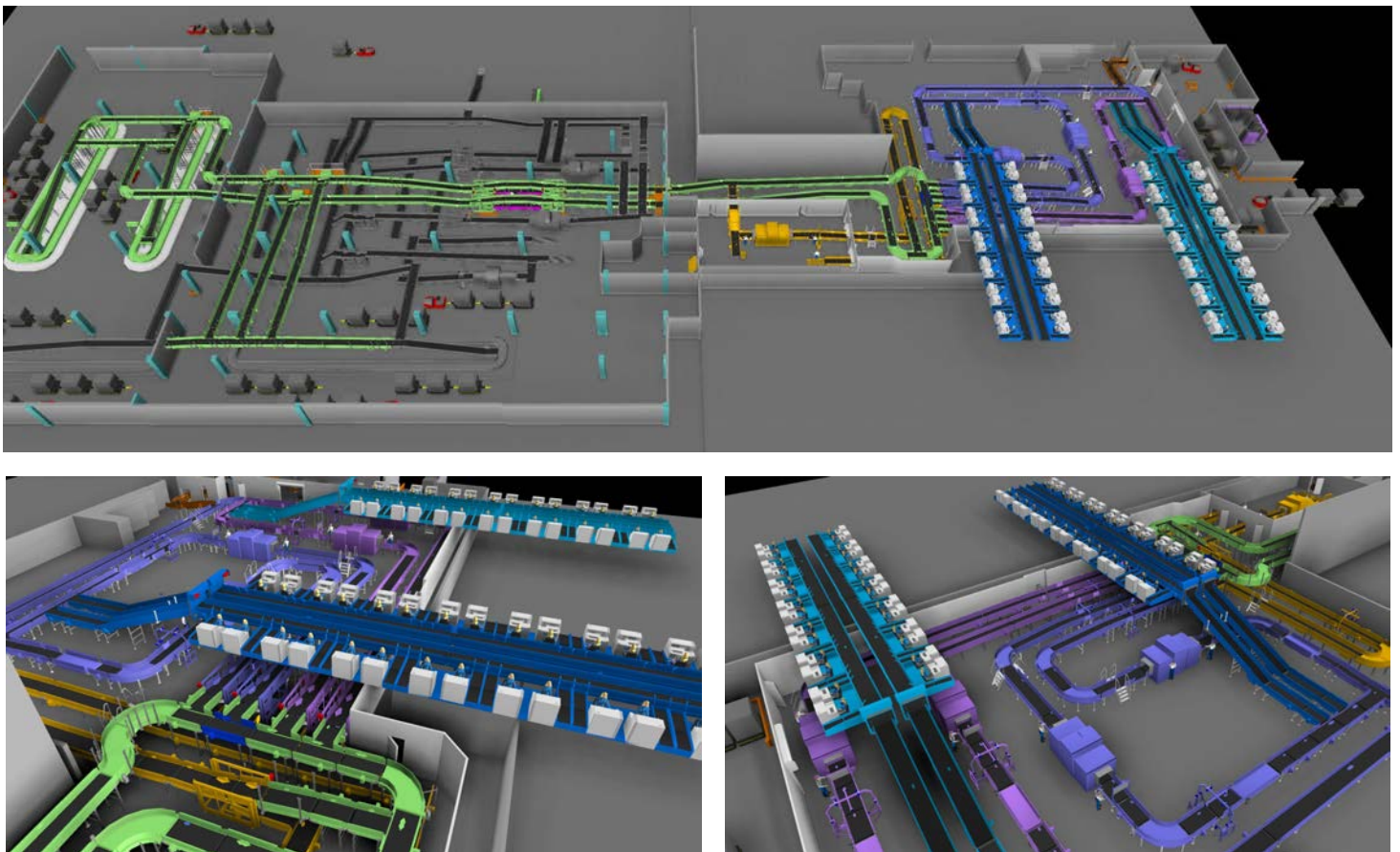


UPGRADE OF BAGGAGE CONVEYORS- INTERNATIONAL DEPARTURES - HBS 1-2**DESCRIPTION:**

- ▶ Full replacement of the baggage belt system (from the check-in counters to the sorting conveyor);
- ▶ Design and execution of a new system with a processing capacity of minimum 2400 pieces of baggage/hour;
- ▶ 1 km of conveyor belts with 450 independent engines;
- ▶ 56 check-in counters and 12 self check-in/drop off counters;
- ▶ Upgrade and replacement of the specific underground systems.

DEADLINE: 2024**FUNDING:** self funded**PROJECT WORTH:** EURO 31.2 mil**STATUS:** in progress

The baggage belt currently in use became operational in 1996, with a processing capacity of 1100 pieces of baggage/hour. Between 2006-2008, the system was upgraded to a multi-level stage. In 2009, the check-in counters were replaced , alongside with the baggage scales and the corresponding conveyors. In 2014, all equipments integrated into the system were upgraded.



terminal modernization

Henri Coandă airport

UPGRADE OF HOLD BAGGAGE CONVEYOR AT HENRI COANDĂ AIRPORT (ARRIVALS)

DESCRIPTION:

Replacement of **4** out of **6** baggage belt conveyors with a modern and silent system, alongside with the related equipment (2 located at the ground floor, 2 at the 1st floor).

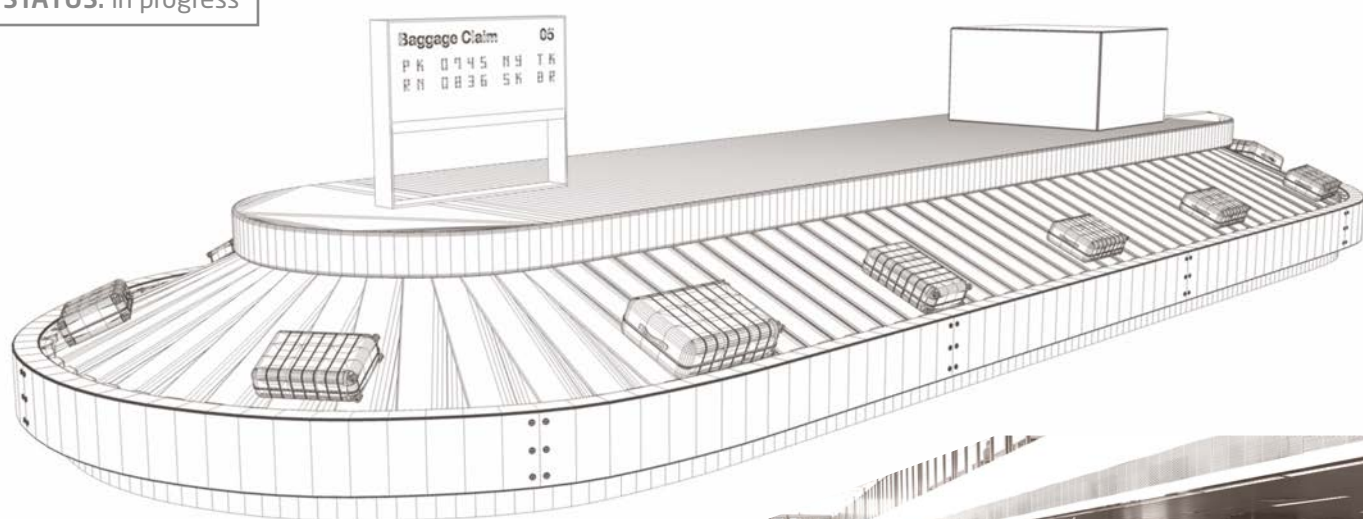
Following the investment, the processing capacity will be increased by **20%**, leading to a substantial cut down of the waiting time at baggage claim.

DEADLINE: T2 2023

FUNDING: self funded

PROJECT WORTH: EURO aprox. 3.2 mil

STATUS: in progress



WASTEWATER TREATMENT PLANT AT HENRI COANDĂ AIRPORT

DESCRIPTION:

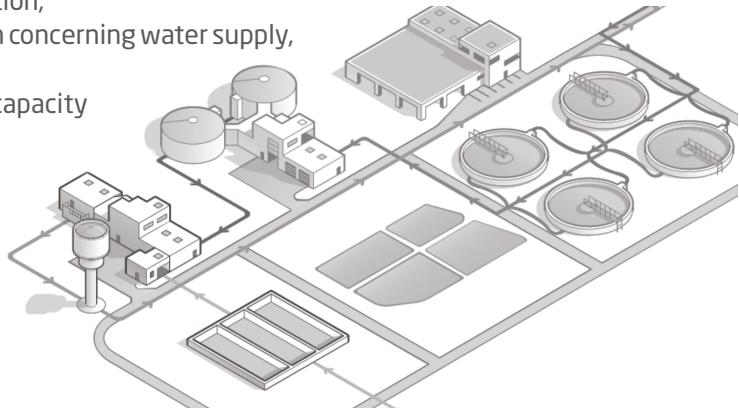
► Building of a wastewater treatment plant at Henri Coanda Airport

INVESTMENT OBJECTIVES:

- Building a modern and high-performance wastewater treatment plant that will ensure the discharge of waste water, according to applicable regulation;
- Improvement of environment quality, by the centralized collection and treatment of wastewater, in accordance with the environmental legislation;
- Compliance with EU Directives and legislation concerning water supply, waste water collection and treatment;
- The possibility of increasing the purification capacity of the installations.

PROJECT WORTH: RON 108 mil

STATUS: on-going procurement process for design and execution



PHOTOVOLTAIC PARK AT HENRI COANDĂ AIRPORT

DESCRIPTION:

Setting up a photovoltaic power station at the airport.

Currently, the airport is a major energy consumer, using up to 35.000 KWh/year. In order to improve the energy efficiency, photovoltaic panels will be installed, on an area of 70 hectares located north of 08L-26R.

The necessary amount of electricity purchased from the competitive market will decrease by approx. 8.000 KWh/year.

PROJECT WORTH: EURO 4.5 mil

STATUS: on-going budget approval process



Henri Coandă Airport will be able to increase the number of electric push back equipment. 8 electric push-back trucks will be purchased by 2026.

VALUE: EURO 3,74 mil

STATUS: initial phase of the procurement process

new

terminal

Henri Coandă airport

THE STRATEGIC PLAN FOR HENRI COANDA AIRPORT INFRASTRUCTURE DEVELOPMENT

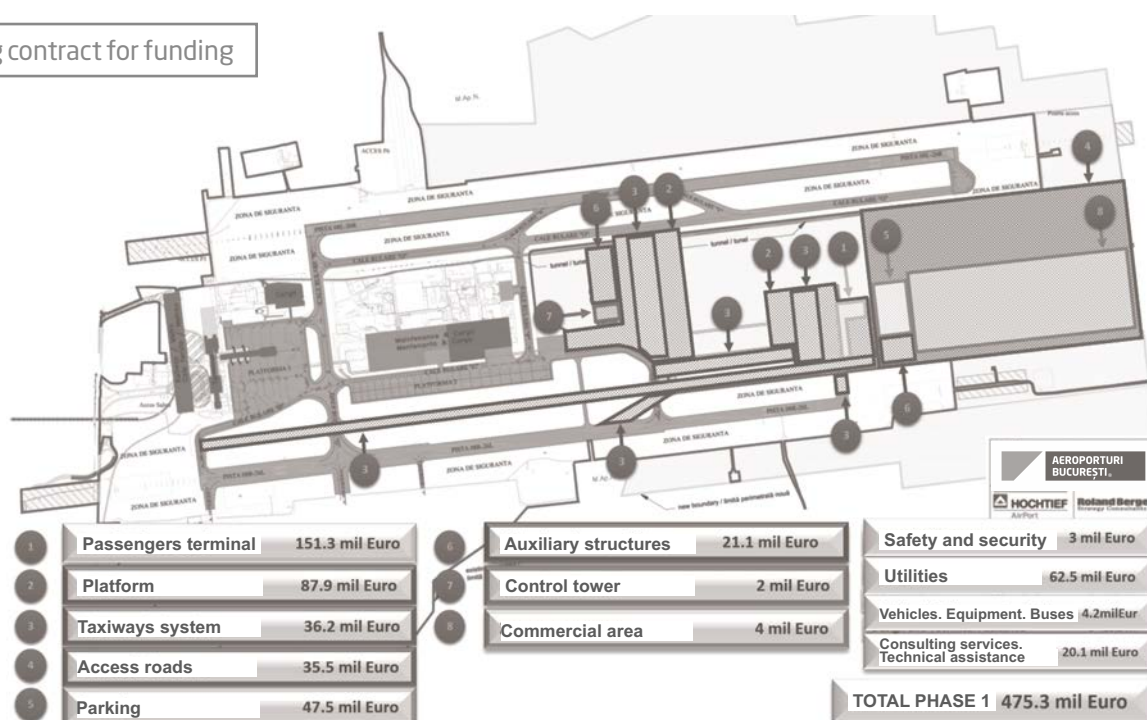
DESCRIPTION:

TOTAL VALUE: EURO 797 mil

TIME SPAN: : 5 years

MAIN INVESTMENTS	PHASE I - CAPACITIES	PHASE II - CAPACITIES	TOTAL CAPACITIES
Terminal building	- 55.000 sqm - 16 boarding gates (10 contact gates and 6 remote boarding gates)	- 45.000 sqm - 9 boarding gates (3 contact gates and 6 remote vehicle boarding gates)	- 100.000 sqm - 25 boarding gates (13 contact gates and 12 remote vehicle boarding gates)
Platform	- 1 middle platform + 1 platform near the new terminal - 540.000 sqm - 48 new aircraft parking positions	- Expansion of eastern platform 110.000 sqm - 8 new aircraft parking positions	- 650.000 m2 - 56 poziții parcare aeronave
Taxiways system	- 181.000 sqm	- 85.000 sqm	- 266.000 sqm
Access roads	- 5 50.000 sqm connection road with the public area - 33.000 sqm connection road with the airside	- Completion	- 83.000 sqm
Parking areas	- Multi-level parking (4000 lots) - 700 parking spaces for staff	- Multi-level parking (4000 lots) - 900 parking lots for staff	- 8000 lots - 1.600 parking spaces for the employees
Administrative building			- 5000 sqm
Social building			- 3200 sqm
Buildings maintenance and repair			- 1800 sqm
Vehicles/machines maintenance and repair			- 2400 sqm
Handling equipment parking hall/area			- 1600 sqm
Technical center	- 2000 sqm power station + 1000 sqm thermal station + 900 m³ reservoirs		
Firefighting station	- 2400 sqm		
Utilities	Waste water treatment plant + surface water drainage system + waste water system + water supply + electricity + heating = IT		

STATUS: on-going contract for funding

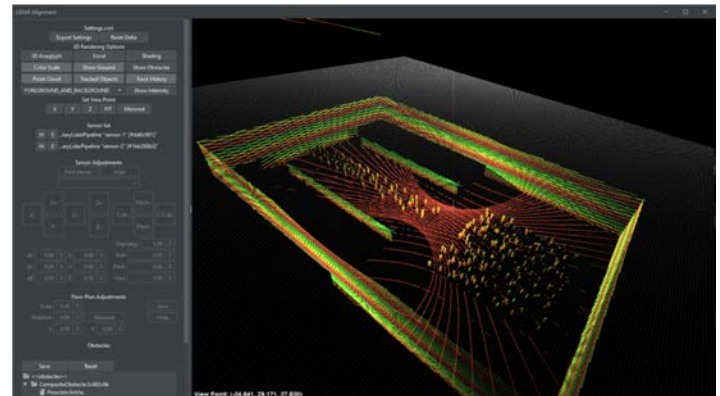


e-airport Henri Coandă airport

PASSENGER FLOWS MEASUREMENT AND MONITORING SERVICES

DESCRIPTION:

- Implementing a passenger flow management system based on real data from the terminal.
- Data collection is achieved through 360° perspective sensors.
- The laser sensors generate a 3D point-cloud area.
- The designated interest area for monitoring is the Departures Terminal between check-in islands C and D.



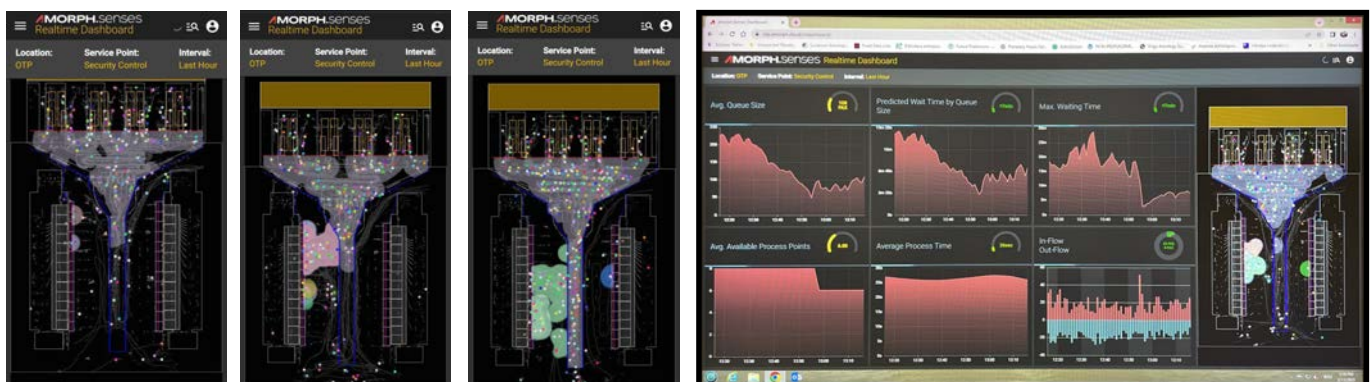
MORPH
systems

THE SYSTEM OFFERS DATA ABOUT:

- accurate measurement of the position and movement of passengers;
- dynamic demand-driven allocation for optimal planning of resources;
- reduced passenger processing time;
- check-in counters management to avoid congestion;;
- dynamic passenger flow optimization through identifying the available facilities (free security check filters, etc).

ADVANTAGES

- real time passenger flow
- increase of operational efficiency
- increase of passengers experience



Henri
AppPort

băneasa airport

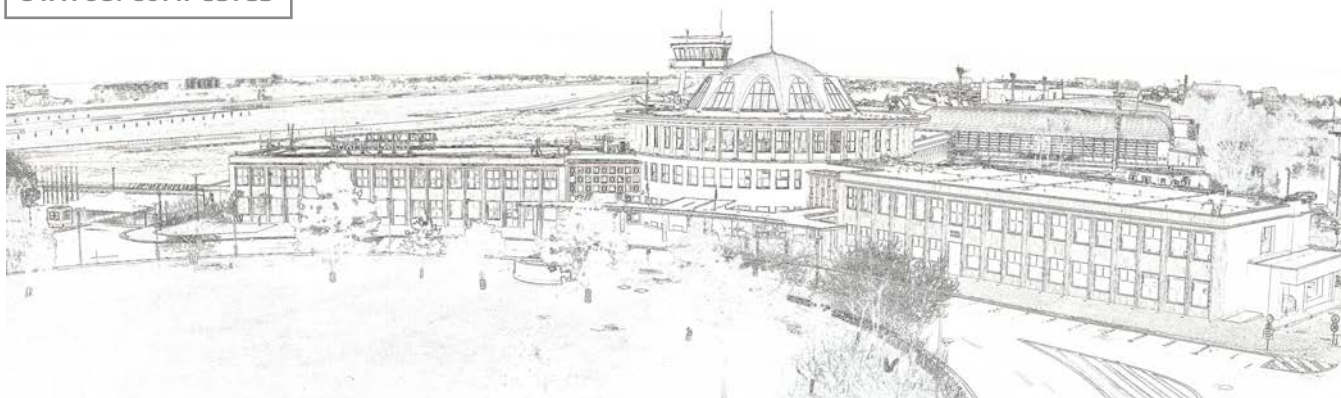
RE-OPENING OF BUCHAREST BĂNEASA AUREL VLAICU INTERNATIONAL AIRPORT

DESCRIPTION:

The refurbishment and renovation of Building A, B and Rotonda of Baneasa Terminal aim to provide commercial and general aviation traffic with Schengen/non-Schengen flows.

The investment provides the necessary for the services and airport activities according to IATA regulations, with an estimated capacity of 350.000 passengers/year.

STATUS: COMPLETED



FULLY EQUIPPED FIREFIGHTING STATION

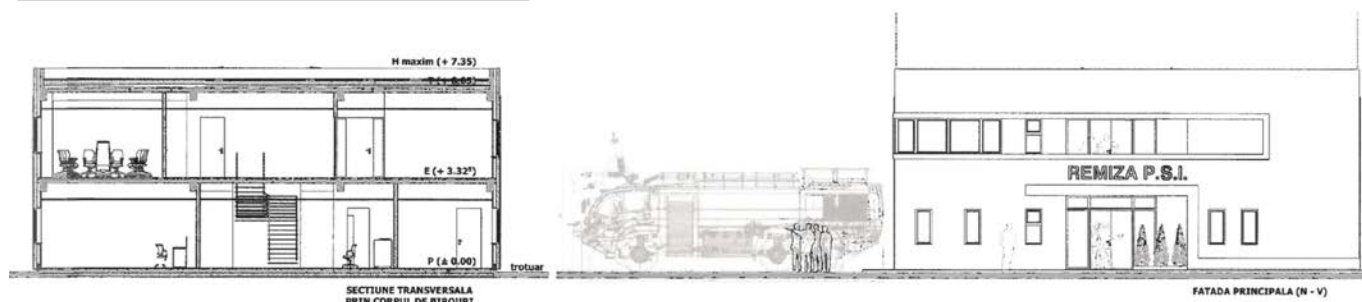
DESCRIPTION:

PROJECT STATUS: Work in progress

The project's main objective is to ensure firefighting capacity compliant with airport CAT7 regulations. The new fire-station will increase rapid intervention capacity due to the direct firetruck entry/exit flows.

INVESTMENT WORTH: estimated Euro 3.2 mil

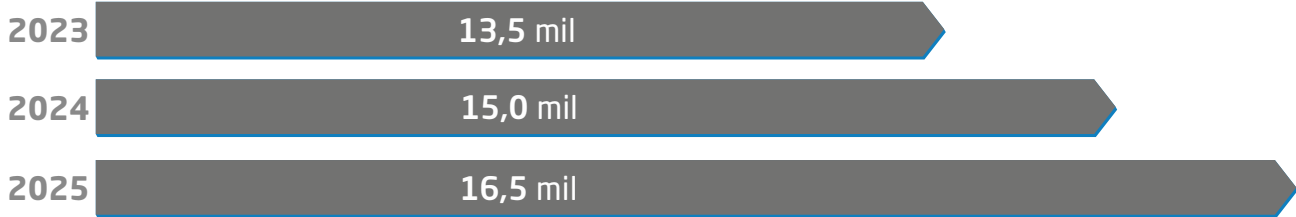
STATUS: acceptance of works in progress



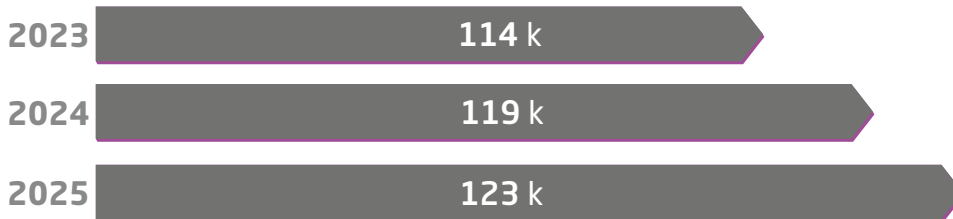
air traffic reports

[HENRI COANDĂ AIRPORT]

Basic scenario - PASSENGERS TRAFFIC



Basic scenario - AIRCRAFT MOVEMENTS



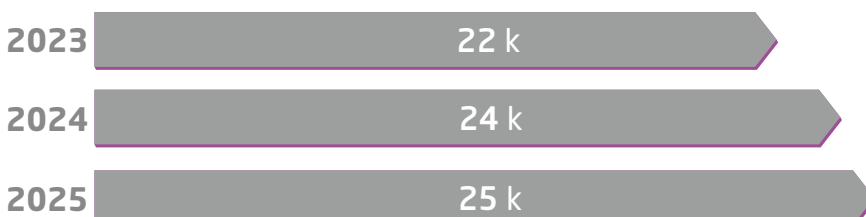
[BĂNEASA AIRPORT]

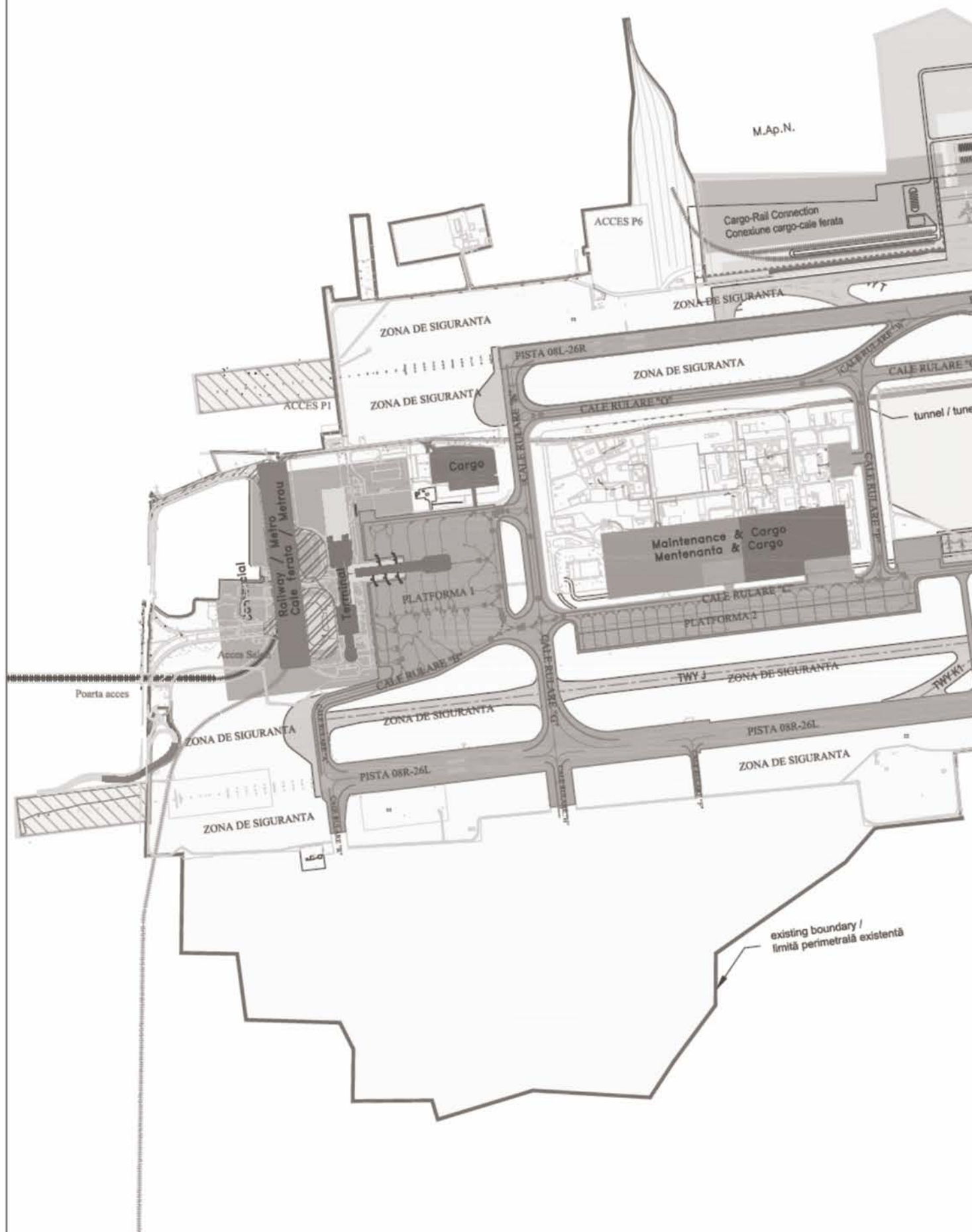
(if regular commercial air traffic opens starts 2023 summer season)

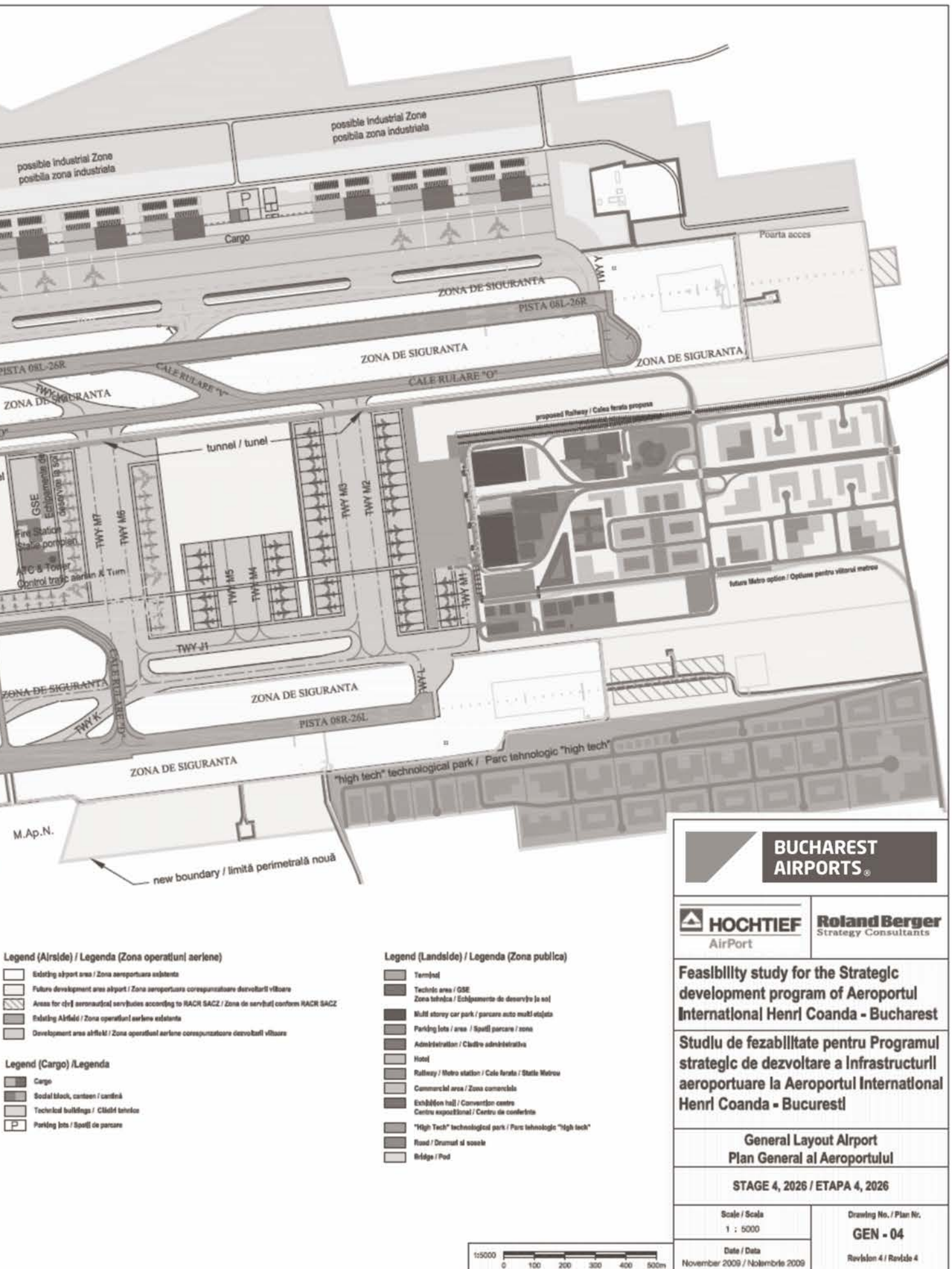
Basic scenario - PASSENGERS TRAFFIC



Basic scenario - AIRCRAFT MOVEMENTS







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