

Riga International Airport – RIX – Riga, Latvia

Direct Client	One Works spa
Final Client	VAS "Starptautiskā lidosta Rīga"
Year	2018 - 2023
Traffic forecast	12M pax/year
Project Value	14.200.000 € + 4.500.000 € (BHS only)
Provided services	Concept design, construction design with BIM and dynamic simulation for the new BHS with EDS Standard 3 equipment

oneworks:



Project Description

Expansion and refurbishment project of the passenger terminal at Riga International Airport.

AD-ET has been responsible for the BHS design in close collaboration with the other designers of the joint venture: One Works (Lead), Vektors, Sintagma.

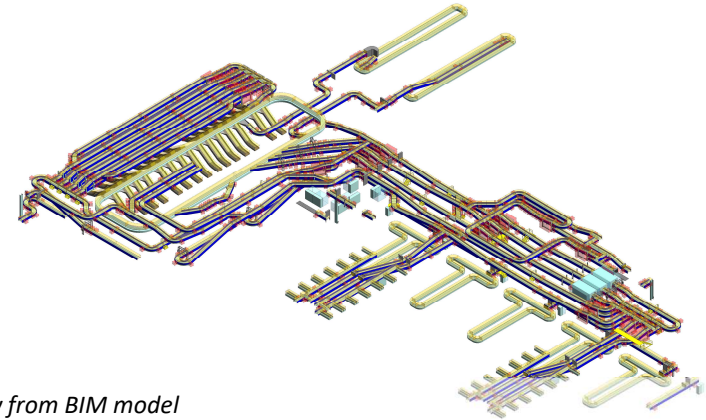
The project has been entirely conducted following the BIM methodology for interdisciplinary coordination and clashes resolution.

The scope of AD-ET has been integrated with an additional construction design for implementing the Standard 3 security process in the existing building as a "transitional phase". This has resulted in a completely new BHS, which represents the new starting point for the development of the BHS in its final configuration.

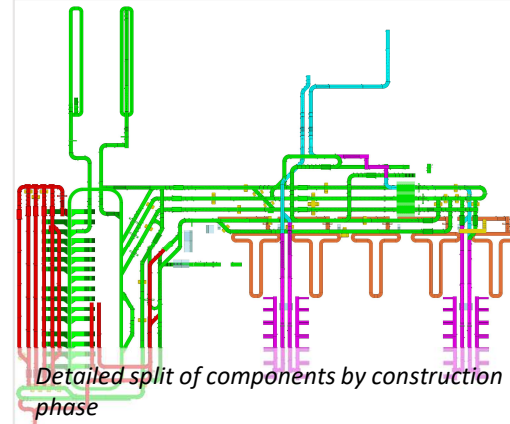
The new system has been designed to handle flows originating from different sources: 900 bags per hour from check-ins, 700 Schengen transit bags per hour, and 400 non-Schengen transit bags per hour. It includes:

- Technologies: belt conveyors + cross-belt sorter
- 3 EDS Standard3 + 2 RX machines
- 52 check-in desks
- 150m cross-belt sorter
- 30 destination chutes + 2 make-up carousels
- 5 reclaim carousels
- Departure and arrival OOG lines
- Over 500 components in total

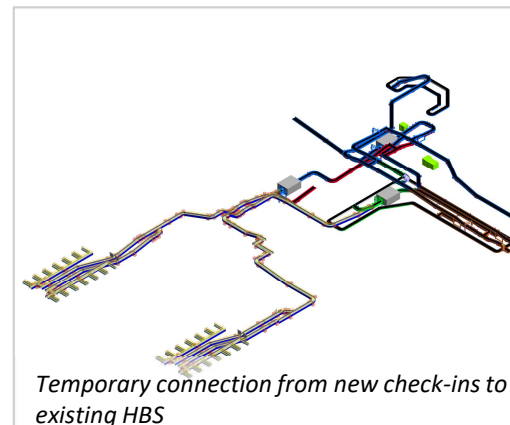
Future scalability is integrated into the project, including 350 Early Bag positions, connection to the RailBaltica station, and additional check-ins



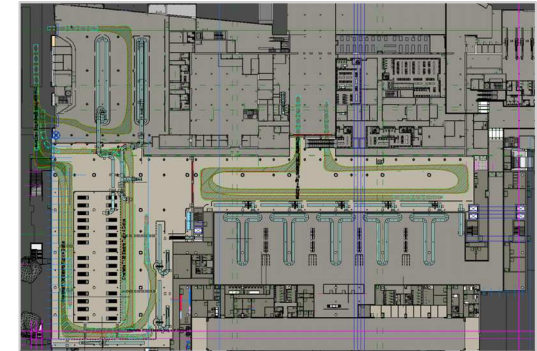
BHS 3D view from BIM model



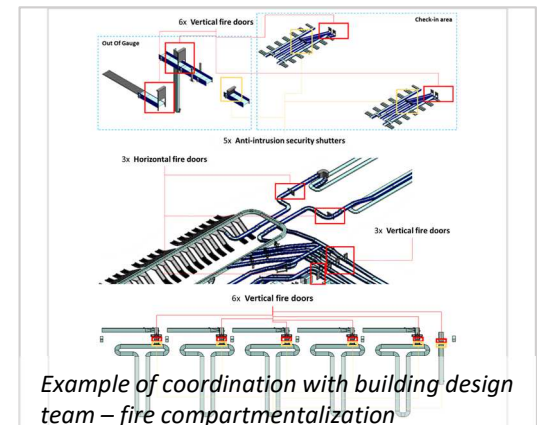
Detailed split of components by construction phase



Temporary connection from new check-ins to existing HBS



Detailed study of internal road layout, including simulation of dollies maneuvers



Example of coordination with building design team – fire compartmentalization