

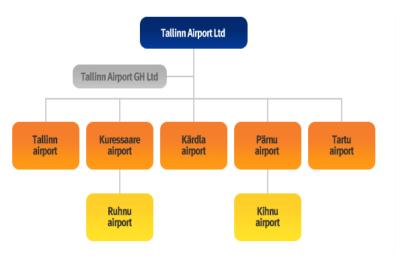
Tallinn Airport

November 2016

Tallinn Airport Ltd

- TALLINN AIRPORT
- •Tallinn Airport Ltd is 100% owned by the government of Estonia
- •Tallinn Airport Ltd operates 5 Estonian airports and 2 airfields

•Tallinn Airport GH is a daughter company specializing in ground handling services





Tallinn Airport

- Located 4 km from the city centre of Talling and in the vicinity of town's drinking water reservoir Lake Ülemiste
- Tallinn Airport plays an important role in Estonian transportation system and in Estonian economy as a whole, as it is the main (essentially only) international airport in Estonia







Airport's current infrastructure

TALLINN AIRPORT

- •All services are available 24/7
- •ATC
- •NAV Cat I/II, ILS, VOR, NDB
- •Airfield 4E
- •Runway

3070 x 45 m

Sufficient for most aircraft, incl. B747 and AN124 freighters PCN 60/F/B/X/T

- •Apron area 280 000 m²
- •Passenger terminal for 2.5 mio pax/year
- •4 cargo terminals
- •Aircraft maintenance hangars







Airside area developement project

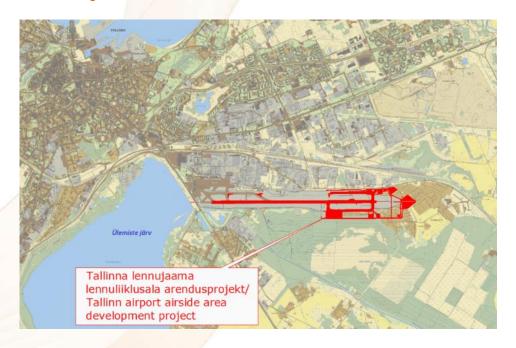




Airside Area Development Project 2016-2020

Project objectives:

- improve environmental conditions and airport infrastructure
- ➤ advance sustainable, environmental friendly, safe and efficient operations of Tallinn Airport
- ➤ alleviate negative environmental impact of the airport infrastructure to the surrounding areas
- mitigate the adverse impact on the environment



Current layout of the airport:



Airside Area Development Project - final layout 2020:





Aviation safety and security measures

Displacement of runway and extending current TWY A:

- Displacement of the runway and extension of the existing taxiway until the new threshold of the displaced runway will allow directing of flight operations (take-offs and landings) farther from the border of the Lake Ülemiste
- It will increase the altitude of approaching aircraft above the Tallinn city and Lake Ülemiste; subsequently reducing noise and air pollution

Navigation system upgrading to CAT II:

- Currently CAT II from both runway directions is not attained.
 All competitive airports operate as a minimum in CAT II conditions.
- Higher category of airport's navigation system allows carrying out aircraft operations in low visibility weather conditions and emergency situations.
- It will reduce accident risks and number of flight operations cancelled due to weather conditions. This is also essential for the environmental safety of the Lake Ülemiste as the aircraft accident risk that may cause considerable environmental contamination is reduced.





Replacement of runway and taxiway lighting system:

- Current light sources of runway and taxiways are depreciated and require lots of energy for operations, maintenance costs are high
- Reconstrution of the existing runway pavement:
 - Existing runway was reconstructed in 1994/1995. No major improvement Works have been carried out during last 20 years
 - The pavement is depreciated and needs rehabilitation
- Construction of a manoeuvring and stand-by area for airfield maintenance equipment:
 - Runway maintenance and cleaning possibilities will be improved, as the maintenance equipment's access to runway and the airside area will be faster, and subsequently, fuel-burning emissions and noise will be reduced.
- Building patrol roads and perimeter fence systems to meet the security requirements







Environmental protection measures - need for investment

- Extension of runway for displacement of runway threshold farther from the drinking water reservoir Lake Ülemiste reservoir Lake Ülemiste
- Replacement of runway and taxiway lighting system to more energy efficient system
- Construction of dedicated snow collection areas and a new de-icing pad
- > Construction of the new de-icing pad to the eastern side of the territory
- > Reconstruction of storm and drainage water system at the eastern and southern areas of the airport territory, etc. airport territory, etc.
- Construction of an aircraft run-up area



















Flooded areas at the southern part of the airport territory

Collected snow piles

De-icing and snow removal

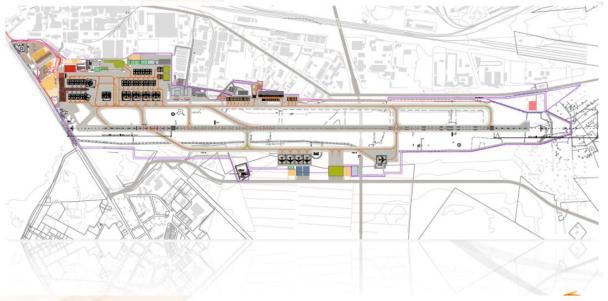


Upgrading airside capacity

- Building additional apron stands in the southern area:
 - There is need to expand the aircraft parking area as the existing apron capacity will set restrictions to the number of future flight operations
 - Currently there is occasional shortage of aircraft parking positions
- Upgrading taxiway system:
 - Extended TWY A provides aircraft access to the new de-icing and run-up area
 - New taxiway will provide access to the new southern apron area
 - Basis for future infrastructure developments at the southern side of the territory
 - Basis for increasing RWY capacity from current 12 FOP/ hr to 20 FOP/hr
- Acquiring maintenance equipment and machinery for runway and airport territory



Aircraft parking at TWY



Possible future extensions of the southern area



Airside area construction works

The construction works will be carried out in two phases:

- 2016-2017
- 2019-2020

First phase Construction Works' Main Contractor is Lemminkäinen Eesti AS

The Works started in April 2016 and will be completed by November 2017

The Airport is operational during the construction Works with some restrictions to night time operations

Ongoing construction Works, June 2016





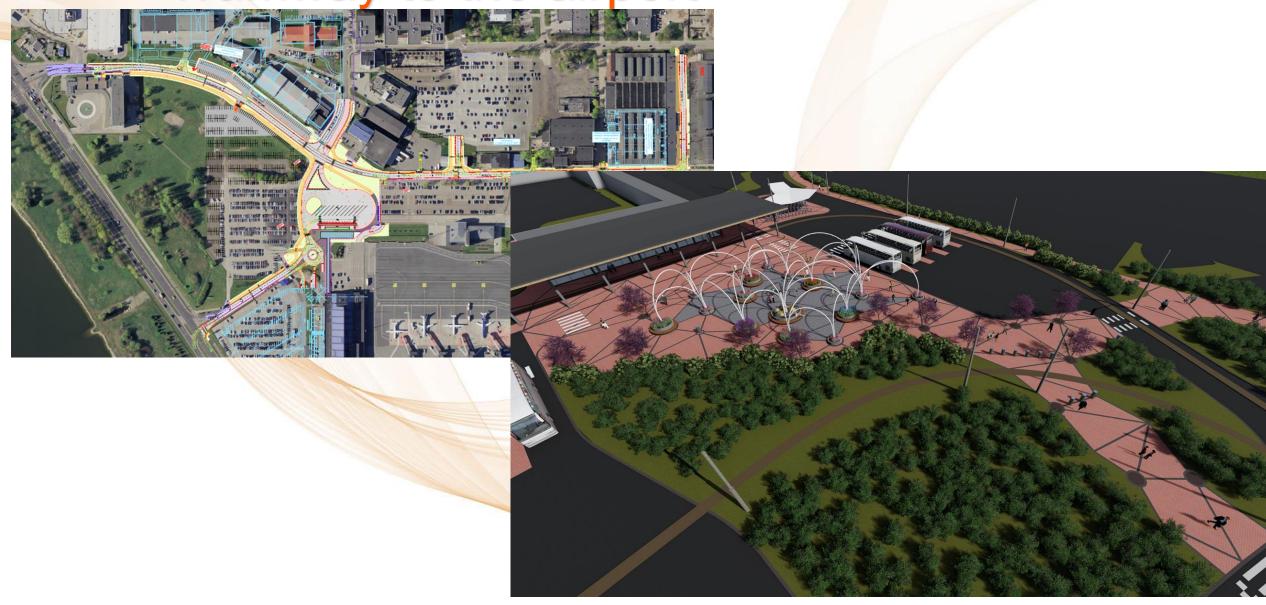


Ongoing construction Works, August and October 2016

Other projects

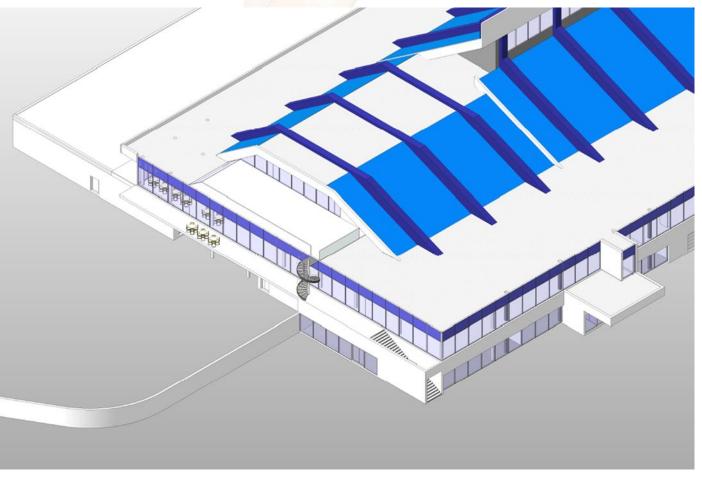


Tramway to the airport



The extention of the Terminal building

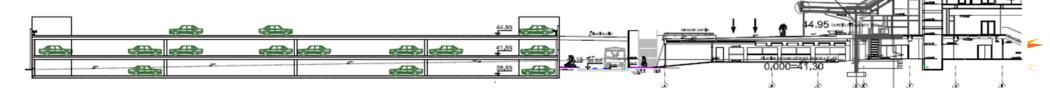




Parking building



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Environmental Indicator tool for Airport





Environmental indicator tool

- For internal use only making the reporting to the management board easier
- Takes in all the aspects of environment, including noise, water quality, soil and runoff water quality and other usual eco-footprint tools do (energy, water usage, chemical usage and so on)
- Has built in yearly objectives and it measures the environmental aspects against their objective
- Gives out a number from 1-3 to indicate the yearly goal. The indicator number is one of the objectives in the management level. Any fluctuations in the indicator number will be investigated thoroughly

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Tallinn Airport – Cosiest airport





- Tallinn Airport just celebrated it's 80th birthday
- We got presented with Corporate Social Responsibility award by the City of Tallinn
- Website "Sleeping in Airports" voted Tallinn third in Europe and 9th in the world, so we are one of the cosiest airports in the world

