

Balanced approach Noise management

- Reduction of noise at source
 - Noise Charges motivation for quieter planes
- Land Use Planning and Management
 - Noise protection zone specific rules for construction + Window replacement program
- Operational Procedures
 - ARR/DEP procedures, RWY preference, engine run up, reverse thrust, APU, GPU...
- Operating Restrictions
 - 40 slots at night, AC with more than 10 dB of cumulative difference from the ICAO limit



Noise at night

2018 - an increase in delayed flights that fell into the night time



- Coordination measures use of CDM (ATS, airlines)
 - Avoiding earlier departures
 - Prevention of night landings without a coordinated night slot
 - Avoiding earlier landings with day time slot at night
 - Limit the number of slots at night to 40, (before 48)
- Increase in charges for breach of coordination rules



• improvement in 2019... Covid and fatal drop in traffic



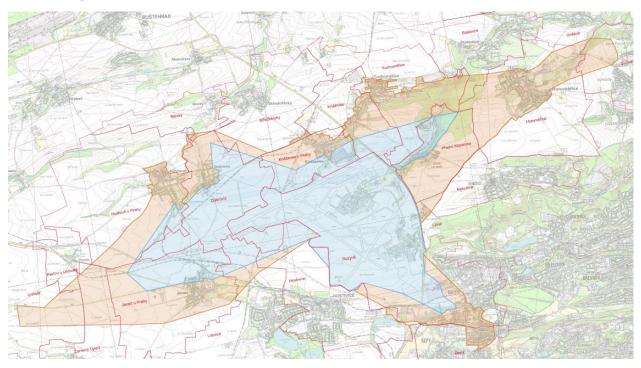
Noise passive measures at Prague airport

- Window replacement program (1998 2010)
- Ventilation systém Program (2019)



Window replacement

 In order to meet the limit of noise from air traffic for the protected indoor room, windows and balcony doors were replaced on the territory of the noise protection zone.



Indoor noise limits

- LAeqD = 50 dB
- LAeqN = 40 dB



Window replacement

- The airport decided for a complete exchange and not to assess the compliance with the noise limits for each objects - some compensation for the surrounding municipalities
- The exchange program has already been completed (1998 2010), with total costs reaching more than CZK 600 million (15 million €).



Program ventilace



The aim of this program is to reduce the impact of noise from air traffic in the interior protected area of specific property (schools, .

- The technical solution is the installation of forced ventilation systems with heat recovery (recuperation) – not air condition (cooling/heating).
- The device must meet the specified technical requirements
- The airport contributes to the installation of ventilation up to 100% of the cost with the following limits:
 - Flats or family houses according to the disposition: 60 245 thousand CZK (1.500 9.800€)
 - Schools: 500 thousand CZK per class (21.000 €)
- The financial contribution is paid only after the proper completion of the installation - the applicant must first pay for the equipment himself
- The costs are covered by noise charges

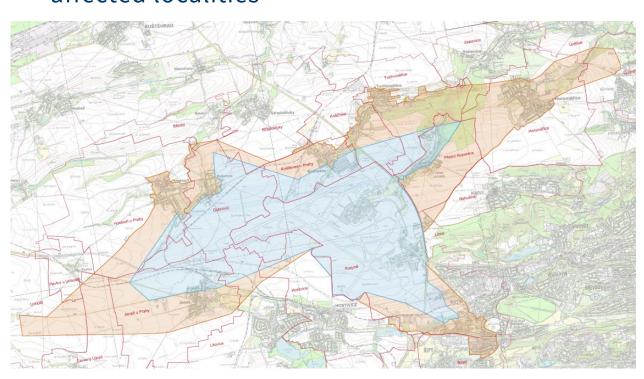


Noise protection zones

of Prague / Ruzyně Airport

Program determination

- Educational institution whole noise protection zone
- Properties, which are intended for permanent living the most noisy affected localities





Program ventilace

Ongoing program info



- Public research showed that 33% of citizens are being interested
- The program is expected to be divided into 5 phases (2021 2024)
- The overal target is furnishing of 600 properties for living and almost all schools
- The program started at 2019 first phase 5 schools registred
- 2020 second phase: 150 properties for living successfully registred 50% properties already done
- Covid may change our plans a bit, but we are sure that the program will be completed successfully!



