

PROJECT FACT SHEET

Noise Impact Study of a new Helipad

Cork University Hospital, Ireland



Cork University Hospital (CUH) is developing a helipad, to be used for aeromedical ambulance services. Helicopter operations will include Leonardo Helicopters AW139 and Sikorski S-92 rotorcraft. The helipad is projected in a corner of the CUH premises, where currently a car parking area exists, and which is located very near to residential areas. ANOTEC was contracted by RPS Group Ltd. to perform a detailed noise study for this helipad. A noise model was developed for both helicopter types, for the approach and departure procedures designed for the operation at this helipad. The model for the S-92 was validated by comparison with measurements performed by RPS. The models were then used to predict the noise levels at specific receiver points and to determine the corresponding noise contours.



RPS Group Ltd, Ireland



Noise at receiver points and noise contours



Abril-June 2019



Study in accordance with local and national regulations



SARA rotorcraft noise model



Modeling of dedicated flight procedures



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