

RESCUE HELIPORT

Géza Hetényi Hospital -Clinic - Szolnok



Client:

Géza Hetényi Hospital-Clinic of Jász-Nagykun-Szolnok County

Establishment approval documentation

Design task:

Preparation of establishment approval documentation for an on-ground, category V., rescue heliport at Géza Hetényi Hospital-Clinic of Jász-Nagykun-Szolnok County.

The plans include the documentations defined in 4th paragraph of 16.§ of Government Regulation no. 159/2010.(V.6.).

Airfield ground lighting plans were created by ON-AIR Kft.

Time of design: 2012.

Technical details:		
Designing aircraft:	EC135 helicopter AS-350 Ecureuil	
Airport category:	category V. airport	
Aerodrome reference point (ARP):	N47° 09' 20.725" E20° 10' 06.359"	
Height above sea level:	88.00 m above Baltic Sea level	
Orientation of heliport:	14 – 32	
TLOF:	D = 15	m
FATO (grassy area):	20 x 20	m
Safety area:	26,6 x 26,6	m
Pavement:	asphalt	
Load-bearing capacity:	5	t

Specification:

TLOF:

asphalt paved, round area with 15 m diameter

FATO:

20x20 m rectangular, grassy area next to TLOF

Safety area:

3.3 m wide, graded, grassy theoretical area around FATO (with total dimension of 26,6x26,6 m rectangular area).

Summary:

The area of the hospital is located in the south-eastern part of the town of Szolnok, partly in a residential and partly in an industrial environment. It is bordered on the north, west and south by a family-house zone, on the east by Tószegi út and an industrial area, and a little further by the Tisza.

The proposed heliport is located in the SW corner of the hospital area. The surrounding buildings were built in ground-floor and multi-storey versions. There are 10-20 meter high trees and groups of trees on the land of the hospital.

In view of the inhabited environment, as well as the wooded parts of the area, the landing site had to be designed and constructed in such a way as to cause as little damage to nature as possible and to preserve the current image of the area. Air approach routes had to be chosen and designated in such a way as to minimize noise pollution to the area.