

Detailed Inspection by drone Viaduct crossing the Loiret: A71



Client :
COFIROUTE
VINCI

Service Manager :
COFIROUTE

Contractor :
DIADES

Background

The viaduct crossing the Loiret is a prestressed concrete bridge carrying the A71 to the PR 102. It crosses The Loiret, linking the municipalities of Olivet and Saint-Pryvé-Saint-Mesmin. It is 146 meters long.

Given the very heavy operating constraints, Cofiroute wished perform the detailed inspection of the structure of the viaduct crossing the Loiret by drone.

DIADES' task

Our task was to perform a monitoring of pathologies on the lateral surfaces and the underside of the entire structure:

- The outer surfaces of the two cantilever boxes and support by drone, the interior surfaces by foot.



Planning :
Studiess : November 2014

Principal Characteristics:
Box Girder Bridge
Length: 146 meters
Width : 14 meters



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Specifics of the Mission

For the processing of data retrieved during our intervention, we used our internal software, Dia-Map V2 ©. It allows us a unique approach to the structure pinning all the collected photos and pathologies mapped on a three-dimensional model of the structure.