

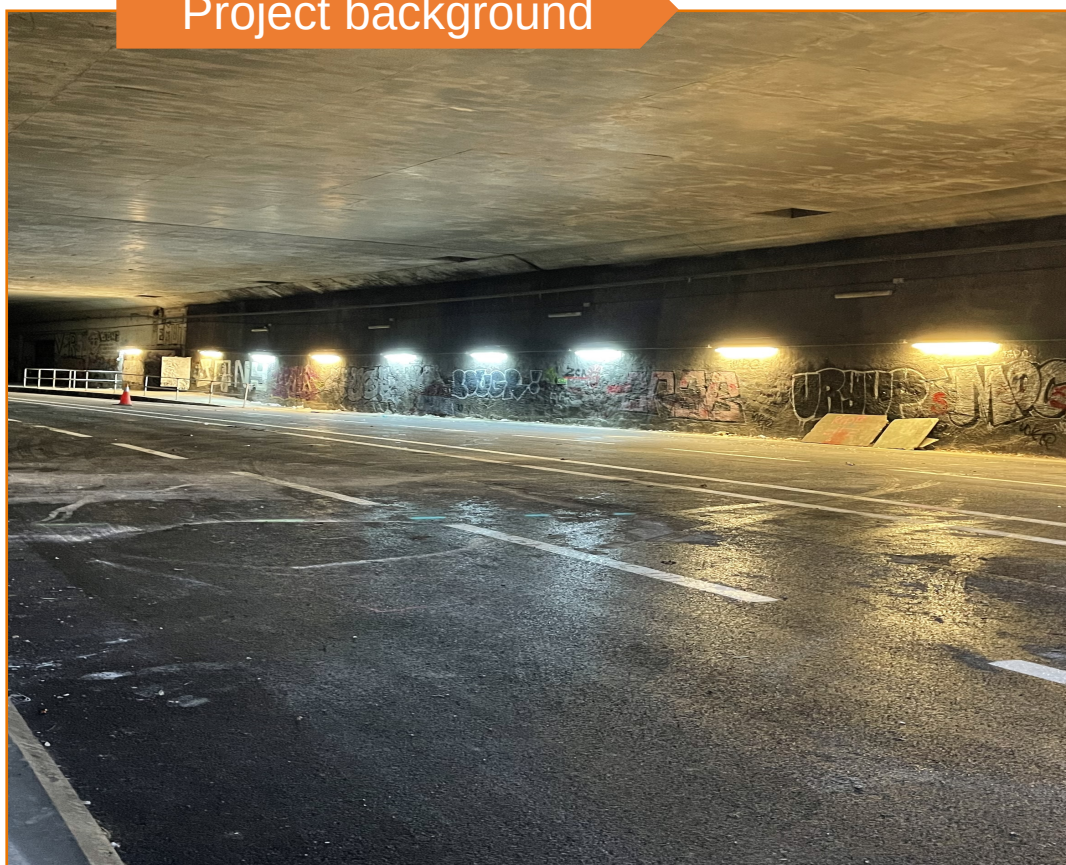
# DELTA

Démonstrateur Eclairage Led Tunnel Antony  
Led Lighting Demonstrator Antony Tunnel

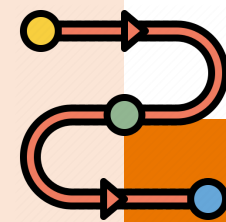
## Project team



## Project background



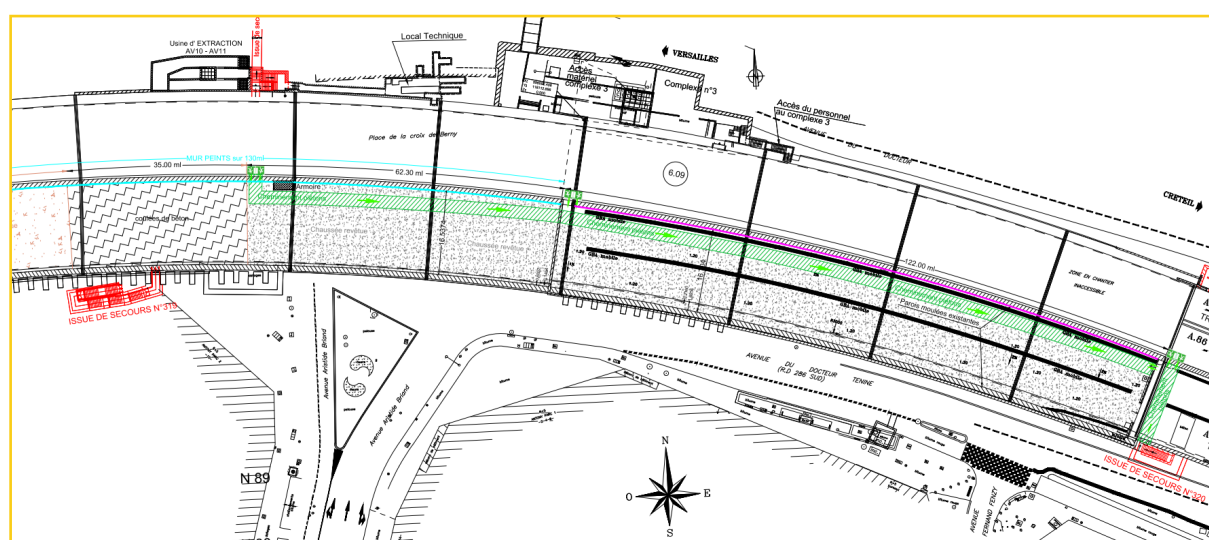
The growing use of LEDs in the tunnel sector and the lack of feedback on their performance in this environment have led the roads directorate of the Ile-de France region (DIRIF) to propose that the unused tube of the Antony cut-and-cover tunnel (on the A86 highway) be made available for experimental purposes.



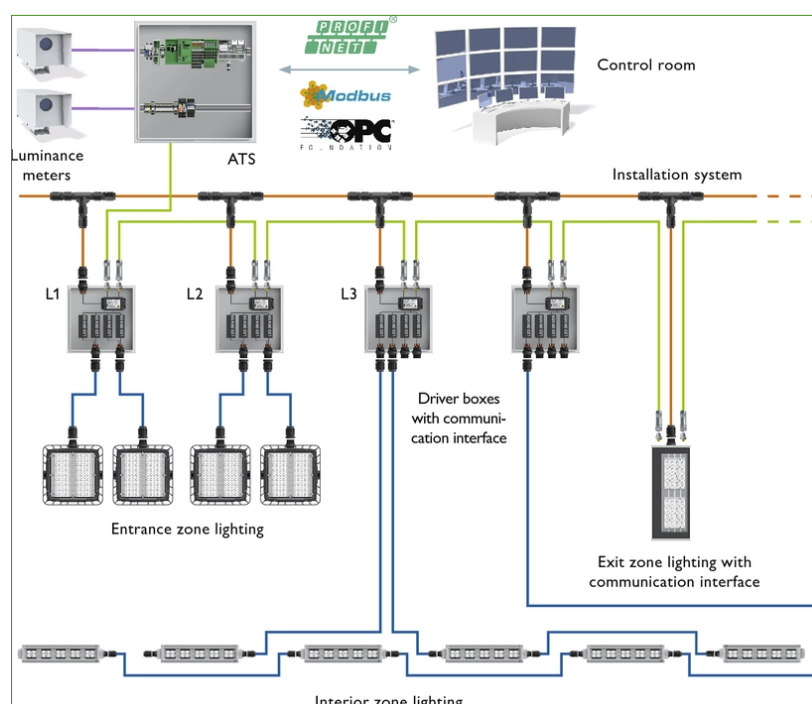
## Site characteristics



Initially, the experiments will take place over the first 65 asphalt-paved metres. The emergency exit routes will be preserved.



## LED lighting experiments



- Validate the luminance reduction curves
- Assess the minimal required contrast for obstacle visibility
- Determine the relationship between uniformities and lighting levels
- Assess the economic benefits of adjusting lighting to vehicle speed



## Future perspectives

Experiments on other tunnel equipment (AID, sensors, jet fans...).

## Contact

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