



PROXIMO, CHALLENGE, DOMINO HIGHWAYS NATIONAL AUTHORITIES *Italy*



The complex and fragmented Italian highway network ideally traces the geographical conformation of the territory, guaranteeing the connection between the main Italian cities and regions, with an extension of almost 7000 km. In terms of lighting, the main objectives to pursue are basically visual comfort, safety and, last but not least, energy savings. The intense flow of vehicular traffic, the different junction configurations and the various acceleration and deceleration lanes, require extremely high levels of lighting and uniformity, in order to guarantee the maximum safety and full visibility at every spot.

Fael LUCE, the main interlocutor with the various highway network dealers, supplied the PROXIMO and CHALLENGE series street lights and, for pedestrian crossings, the DOMINO series luminaires. In the perspective of a containment of the power consumption and intelligent management of the lighting systems, Fael LUCE luminaires have been provided with a wireless communication system, which transforms the lighting system in a real infrastructure network, allowing the transmission and processing of millions of data and translated into real actions.

A solution that overcomes the border of traditional lighting, providing, thanks to lighting-information technology combination, an integrated and smart lighting system that gives the possibility to manage remotely the system, allowing, for example, the adjustment of the light flux by time slots, by vehicle flux or by pre-set scenes, as well as keeping the luminous flux emission of the luminaires constant throughout their life, the real-time detection of consumption, signaling of any anomalies also for each individual luminaire.



HIGHWAYS NATIONAL AUTHORITIES: BEYOND THE LIGHT

