BEHIND THE SCENES OF THE SICIÉ CAPE WWTP COLLECTOR IN THE SOUTH WEST OF TOULON

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Graduated as an engineer from the Polytech'Lille (Ecole Génie Civil Polytech'Lille), he was successively at SADE Group civil engineer, construction manager, head of civil engineering and underground works division. He was then appointed Deputy Director and quickly promoted to the Director. The company is specialized in microtunneling, tunnel construction, special installations, drillings, repairs and rehabilitation of all types of water, wastewater and other fluids pipelines. SADE is providing a full range of techniques, such as CIPP, close-fit, continuous lining, GRP panels and pipes,…
Today, he is elected Board member of FSTT (French Society for Trenchless Technologies) and is member of Executive Board.

Abstract:

SADE won 4 years ago the tender for rehabilitating and operating for 20 years the main sewer of Cap Sicié, serving "Amphitria" the underground seaside wastewater treatment plant of the Metropolis of Toulon TPM (Toulon Provence Mediterranée) Until 2018, SADE will rehabilitate this 6,5 km man-entry collector. The severely dammaged by H_2S outfall with contaminated atmosphere has depth that varies from 40 to 105 metres.

For this huge contract (value of 35,5 million Euros, 4 years of construction, 20 years of operating, 22 million cubic meters of wastewater per year…) SADE will have implemented very specific and innovative solutions and means to meet the constraints and requirements of such a challenging project: maintaining the service, installation of anti-corrosive structural GRP panels, designed electrical vehicules and trolleys on rails for the personnel and transportation/installation of panels, setting up of elevators, duck-boards, special grouting receipe and procedure,….

The construction part is carried out in 4 phases over the first 4 years following a strict defined timeschedule with a permanent objective of maximun safety and efficiency. Since December 2015, 24h a day the different shifts proceed to the transportation and installation of panels, and all in all, 2 800 arch shape 1800 X 1600/ 2,35 m long GRP panels were successfully installed until November 2016 to build the protective skin of the collector.