The challenge
Mars strives to have a complete sustainable production in the year 2040 (Sustainable In one Generation program). Through the installation of the anaerobic Memthane Treatment plant, Mars makes significant progress in the achievement of its sustainability targets at their largest chocolate processing facility of the world.

Veolia’s solution
Supply of the most appropriate anaerobic wastewater treatment technology. The solution differentiates by achieving more than 99% removal in a one stage anaerobic process. In the memthane reactor the Wastewater from Mars is biologically treated and converted into high calorific biogas. The treated effluent and biomass are separated by means of ultra filtration units. The biomass is returned to the reactor. The final effluent discharged to sewer.
Complete operation and maintenance of the wastewater treatment plant.

Benefits Mars:
- Most compact solution and lowest operational costs in comparison to other treatment routes
- Nett carbon footprint reduction of more than 150 Ton CO2/year
- Maximization of renewable energy production, up to 10% of gas consumption
- More than 99% reduction of pollution equivalents
- Complete outsourcing of operations

150 tons CO₂ avoided annually  Up to more than 10% energy savings  Reduction on sewer cost 97%