

## Case Study

# Ballyfodrin Leachate Treatment Plant



---

**Client:**  
Craigavon Borough Council

**Principal Contractor:**  
TAL Civil Engineering

**M&E sub-contractor:**  
Colloide

---

**Location:**  
Craigavon, Northern  
Ireland

**Project:**  
Leachate Treatment Plant

Colloide were contracted as a specialist Mechanical and Electrical Engineering subcontractor by TAL Civil Engineering. Enviro acted as the Client representatives and process engineering consultants on this project for Craigavon Borough Council.

Colloide were responsible for the detailed M&E design, supply, installation and commissioning of the leachate treatment plant. TAL acted as main contractors and carried out the civil engineering works



# Project Deliverables (1)

## The main components of the system

- 3no. Venturi aerators
- SBR actuated bellmouth
- SBR decant pumpset
- SBR instrumentation
- Leachate feed pumpset
- Final discharge pumpset
- Reed bed equipment and instrumentation
- Interconnecting pipework and valves
- Plant insulation and trace heating
- Pumping systems instrumentation
- Chemical storage and dosing equipment
- Access platforms and stairs
- Control panel and wiring
- SCADA system
- Building services (exterior and interior)



# Project Deliverables (2)

## The main components of the system

Colloide returned to this site after another award was received in order to upgrade the Leachate Treatment Plant.

The new tertiary treatment system is capable of treating a minimum of 40m<sup>3</sup> a day and a maximum of 90 m<sup>3</sup>/ day of leachate deriving from the Leachate Treatment Plant. Discharge of leachate to the reed is maintained at approximately 1 litre/second as per current standards.



# Engineering a brighter tomorrow

