

## CUSTOMER CASE



# Ny Tøjhusgrund – Process Plants

## Wastewater

Denmark

### Plant Description

The harbor park of Copenhagen city is a water system consisting of several basins and channels. In addition, the plant consists of a filter plant and a pumping station, pumping water into the water system from Copenhagen Harbor.

### Monitoring

The monitoring system includes an IGSS server remotely situated at NIRAS' office in Allerød. The IGSS server's primary responsibility is to collect data from the plant. Additionally, the IGSS server can be used as an operator station .

The PLC starts and stops the pump to the harbor park based on the environmental conditions of the basins and channels or based on predefined start and stop times enabling time management control of the process.

Environmental parameters for the filter plant are monitored and registered at the SCADA system such as temperature, pH-value, redox, conductivity, and level.

The following information is registered from the pump well:

- Number of starts for pumps with accumulated values for: total, today, yesterday.
- Pump operation time with accumulated values for: in total, today, yesterday.
- Current pump velocity.



