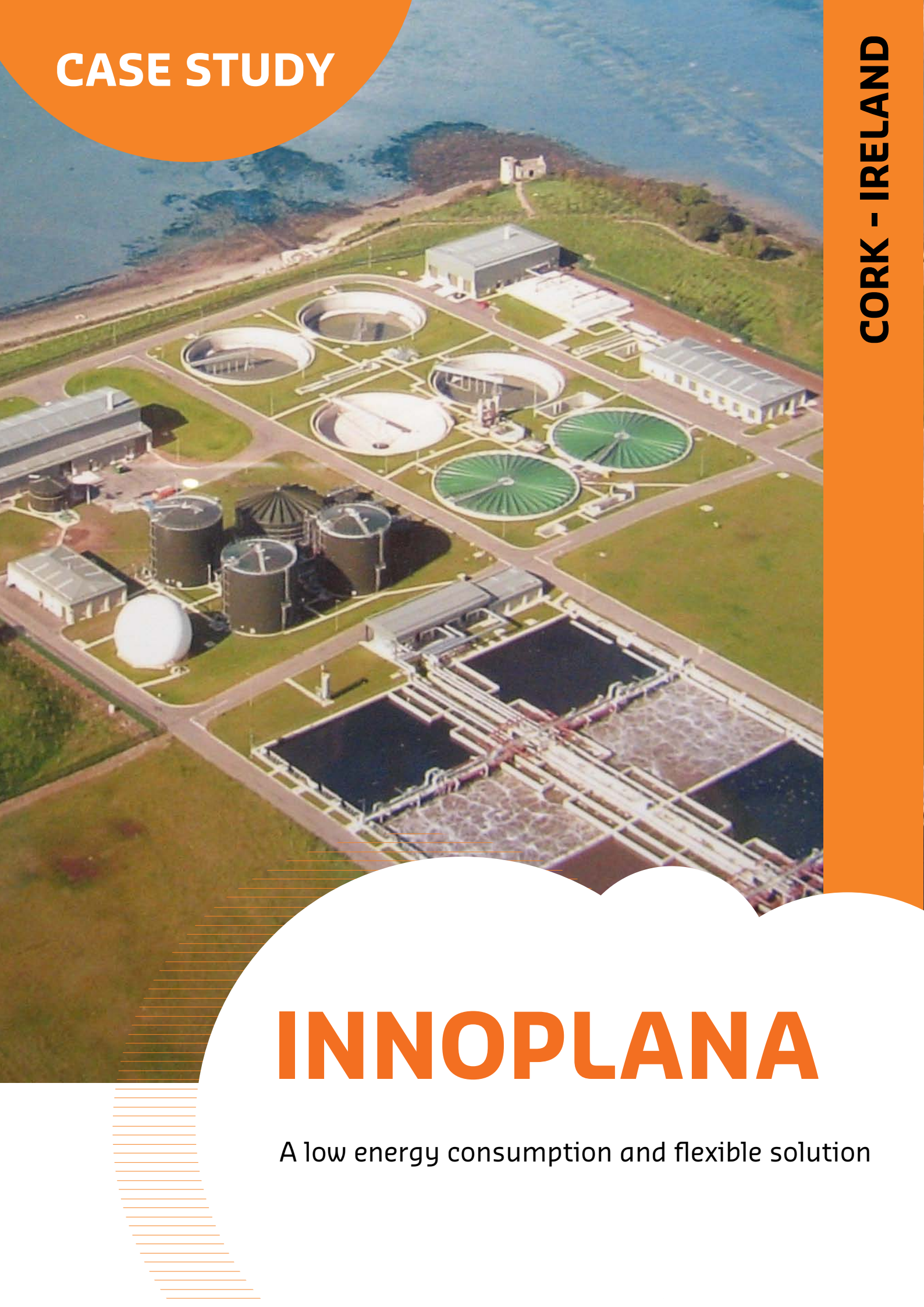


CASE STUDY

CORK - IRELAND



INNOPLANA

A low energy consumption and flexible solution

A low energy consumption and flexible solution

CORK

Cork WWTP (Ireland) was designed in 2000. The specification did require a complete sludge treatment solution including dewatering, drying and granulate storage. The system had to be as safe as possible with a low dust production, and also as efficient as possible with the lowest energy consumption possible. And it has to take maximum advantage of the biogas produced by digesters as well as any surplus heat used for the heating of the digesters.

The drying equipment had to be flexible in order to cover the varying production rates and, at the same time, simple and easy to operate, requiring the minimum number of operating personnel.

WHY INNOPLANA

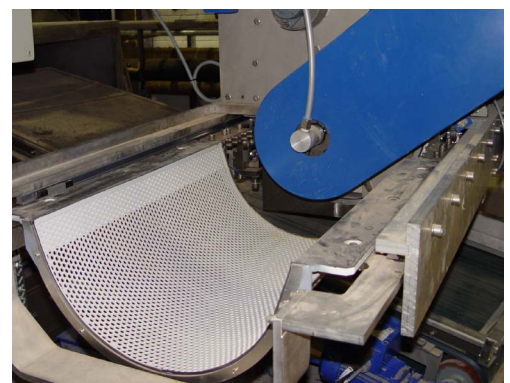
With the lowest energy consumption available on the market (here < 730 kWh/tH₂O), the INNODRY® 2E offers the optimal energy balance at partial and full load. Two lines were selected, each offering a water evaporation capacity of 1'700 kgH₂O/h.

The INNODRY® 2E units can be operated either individually or together. The integrated heat recovery system offers a substantial reduction of investment and operation costs. And the waste air treatment plant from the INNODRY® 2E is 5 to 8 times lower than conventional drying technology.

PROVEN RESULTS

All the system parameters has been tested by the independent calibration company "Bureau Veritas" during a measurement program. And the results met the initial values such as extremely low power consumption, low dust content and fully hygienized granules.

| TREATMENT STAGE | DIGESTION (PRIMARY & SECONDARY MIX) | DEWATERING | DRYING |
|-----------------|-------------------------------------|------------|----------|
| SLUDGE DRYNESS | 6% DS | 23% DS | 90% DS |
| SLUDGE VOLUME | 375 T/day | 98 T/day | 25 T/day |



INNOPLANA

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