

**Herning Vand A/S**  
**Herning Renseanlæg (Sewage Treatment Plant)**  
**Ålykkevej 5**  
**7400 Herning, Denmark**

**Jan Ravn, works  
manager  
Herning Vand A/S**



***After more than 7 years' operation, works manager Jan Ravn is very satisfied with the Westcome heat exchanger.***

The West-Jutland tone comes out clearly, and the attitude is clear when asking Jan Ravn of Herning Vand to relate to whether the investment in a Westcome heat exchanger was a good idea in terms of rationalising production at the company's biogas plant.

- As a starting point, we were excited about what was presented to us and our experience from operations since commissioning of the heat exchanger in week 42, in 2009, fully confirms our positive first-hand impression.

The supply is 6m<sup>3</sup> / primary sludge / h with a solids content of 3.8%.

The digested sludge mass has a temperature of 55°C which is exchanged with the raw sludge having temperatures of between 6°C-14°C, depending on the seasons.

The efficiency of the heat exchanger is 70% which fully meets what we were promised, says Jan Ravn.

The heat exchanger is integrated in the digesting tank plant and a valve control system has been implemented consisting of 2x4 two-way motor valves that change side and flow direction in the heat exchanger once a day which means that the heat exchanger has not been cleaned at any time during its seven years of operation.

