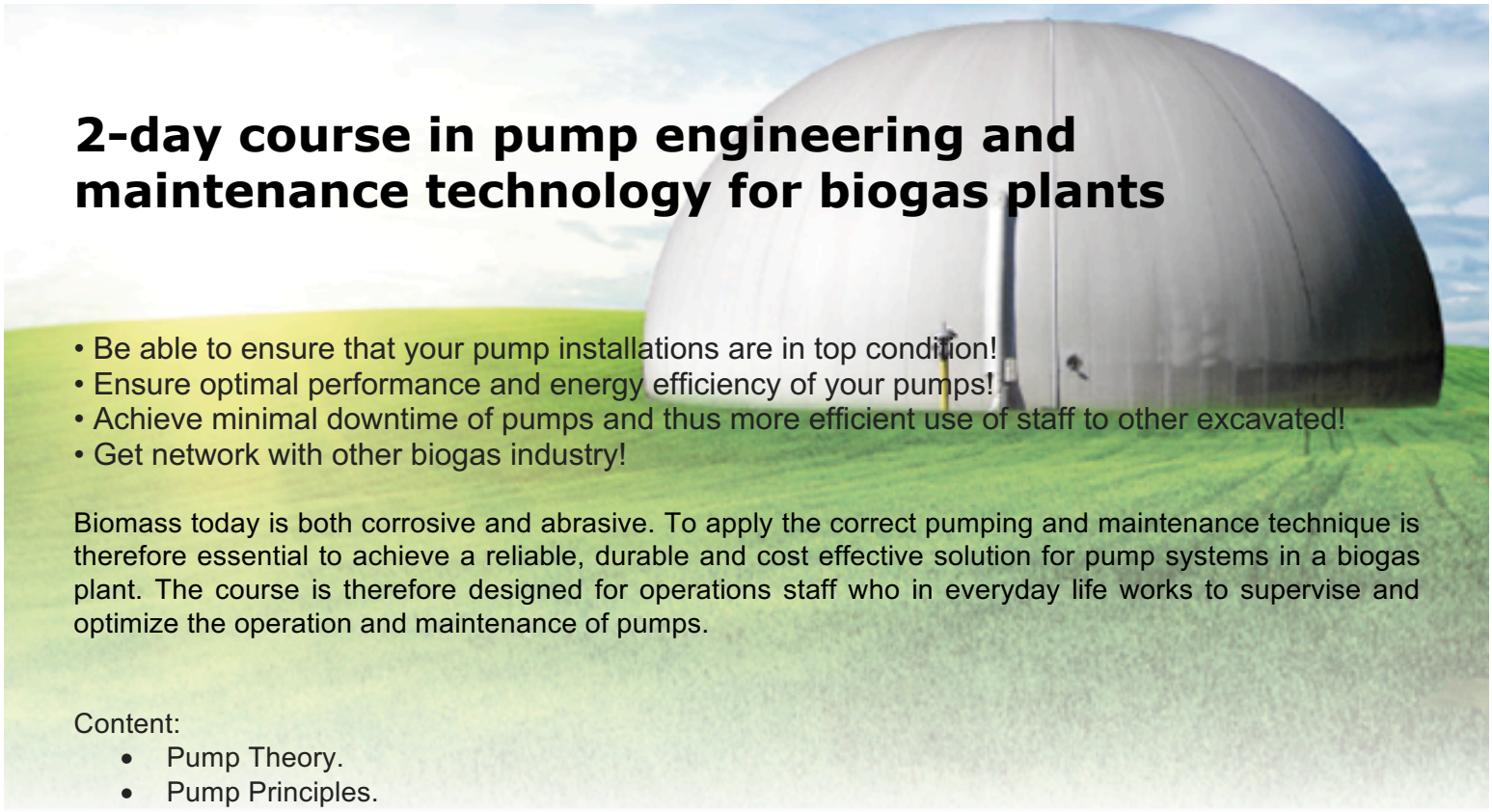

2-day course in pump engineering and maintenance technology for biogas plants

• Be able to ensure that your pump installations are in top condition!
• Ensure optimal performance and energy efficiency of your pumps!
• Achieve minimal downtime of pumps and thus more efficient use of staff to other excavated!
• Get network with other biogas industry!

Biomass today is both corrosive and abrasive. To apply the correct pumping and maintenance technique is therefore essential to achieve a reliable, durable and cost effective solution for pump systems in a biogas plant. The course is therefore designed for operations staff who in everyday life works to supervise and optimize the operation and maintenance of pumps.

Content:

- Pump Theory.
- Pump Principles.
- Different types of pumps:
  - Displacement Pumps.
  - Eddy current pumps.
  - Centrifugal pumps.
- NPSH of centrifugal pumps.
- Stuffing boxes / theory.
- Safety concern
- Errors and their causes.
- Repair and maintenance of pumps
- Inverter
- Control loop with PID controller
- Focus on energy saving
- Electrical connection of 3 phase motor complete with overload protection

Practical information:
Period: 17-18. June 2016 from 9-17.
Registration: May 22, 2016 to jl@dffb.dk
Location: UdviklingVejen, Sdr. Tingvej 10, 6630 Rødding

Questions concerning the course can be directed to Jacob Lorenzen 25767178 or at mail jl@dffb.dk

Teaching will be managed by EUC Lillebælt. The school has implemented a number of training initiatives in wastewater management and has great knowledge of pump systems with large abrasions and corrosions. The school takes in all contexts based on the individual's qualifications, abilities and needs. Read more about EUC Little Belt *her*