



**skanderborg**  
forsyningsvirksomhed a/s

# ESTONIAN WATER WORKS ASSOCIATION

BY

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# SKANDERBORG FORSYNINGSVIRKSOMHED LTD

- Established in January 2010
- Counts about 40 employees
- Independent enterprise with a management board
- Owned by Skanderborg Municipality
- Vision: to become the most modern water company in Denmark by 2017

# FACTS WATER SUPPLY

- Supplies consumers in Skanderborg with water - 6000 customers
- 226 kilometres of pipeline networks
- We produce about 1 million cubic metres of drinking water annually at our five waterworks
- The water department counts three employees

# FACTS WASTE WATER TREATMENT

- We purify about 2,4 million cubic metres of wastewater a year
- 20000 customers
- Six waste water treatment plants
- 176 kilometres of sewers
- Two kinds of sewers – a separate and a combined system
- Increase in pumping stations
- The waste water department counts 13 employees

# WATER SECTOR- HEADLINES

- In 2003 an investigation report stated that there were over 1 billion. kr. annually to be gained if all water supply and wastewater was as effective as the best in the industry
- On 1 February 2007, the government decided that it would streamline the water sector – a new law was introduced
- The idea was to investigate the operational costs on each asset (Cost-driver) in the water sector, find those who do it the cheapest way, and make economic demands to those who do it more expensive

# PRICE LIMITS

- The efficiency improvements is controlled and gained by setting individual price limits for each company
- The price limits indicates the upper frame of what the customers must pay for the supply of water and wastewater treatment
- The price limits are regulated once a year. It is based on factors such as the expected amount of water, costs, investments and efficiency demands.
- The price limits is set by the Supply Secretariat, which is related to the Danish Authority's

# CHALLENGES

- All this led to major changes in the water sector - we had to think differently and we had to find economic savings in all our workflows.
- Some of the major challenges we have had with this is following:
  - New company, new culture
  - Organizational changes
  - Focus on investments



# NEW COMPANY, NEW CULTURE

- Separation from the municipality
- New work habits
- Focus on skills
- More responsibility

# ORGANIZATIONAL CHANGES

- New organization
- 4 leaders to 1 leader
- Self controlling groups

# FOCUS ON INVESTMENTS

- Basically we work with a budget divided in two
  - Investment - new construction, major replacements and renovations
  - Operation - energy and maintenance to ensure the water supply and wastewater treatment
- Streamline the operations
- Focus on investment creates savings on operations - example:
  - Automation means fewer manual processes
  - Saving energy means reducing the costs to operate the plant
  - Construction Replacements gives optimizations and often means less maintenance and repairs