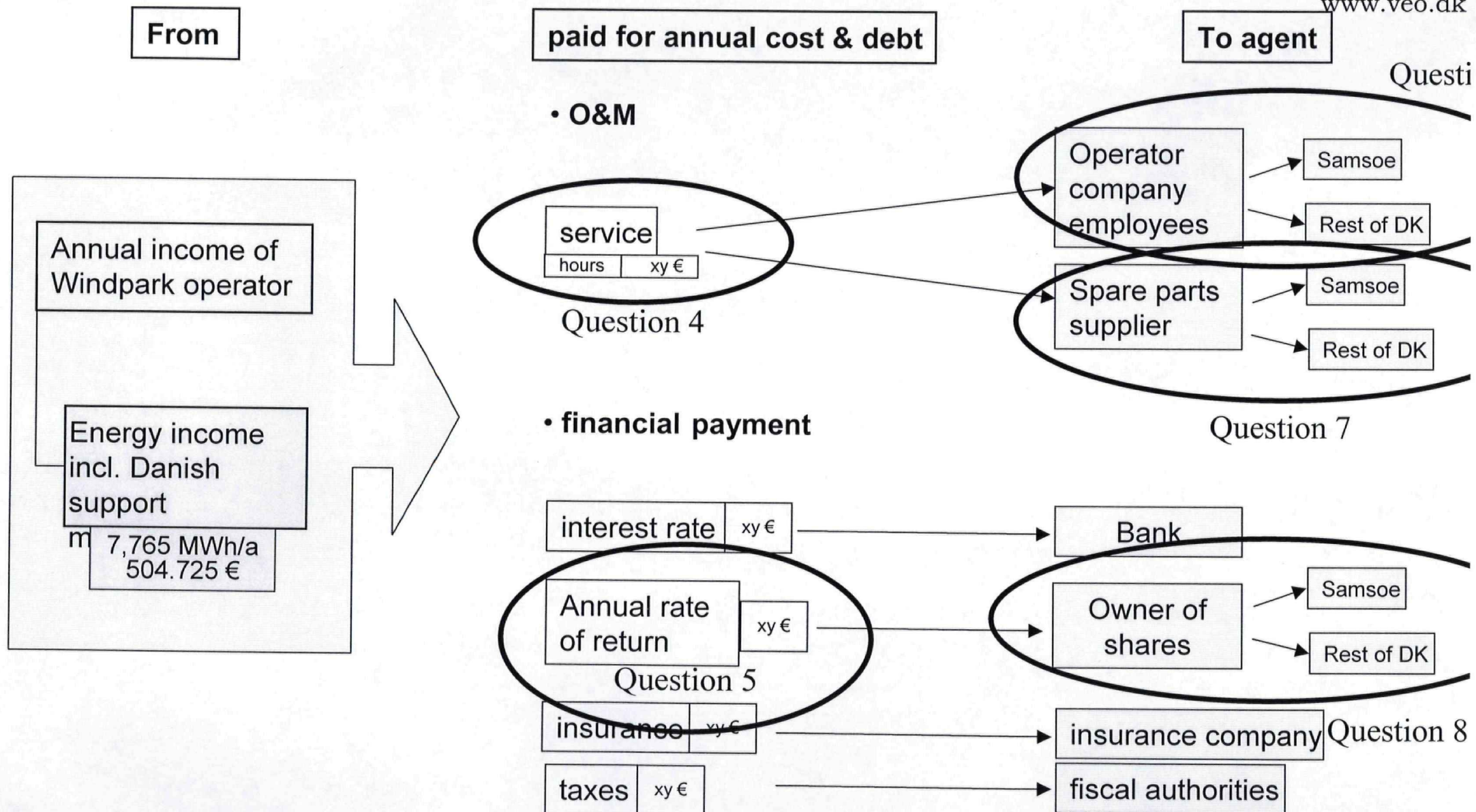


# Capital Allocation Model - Offshore Wind Park Samsoe



www.veo.dk

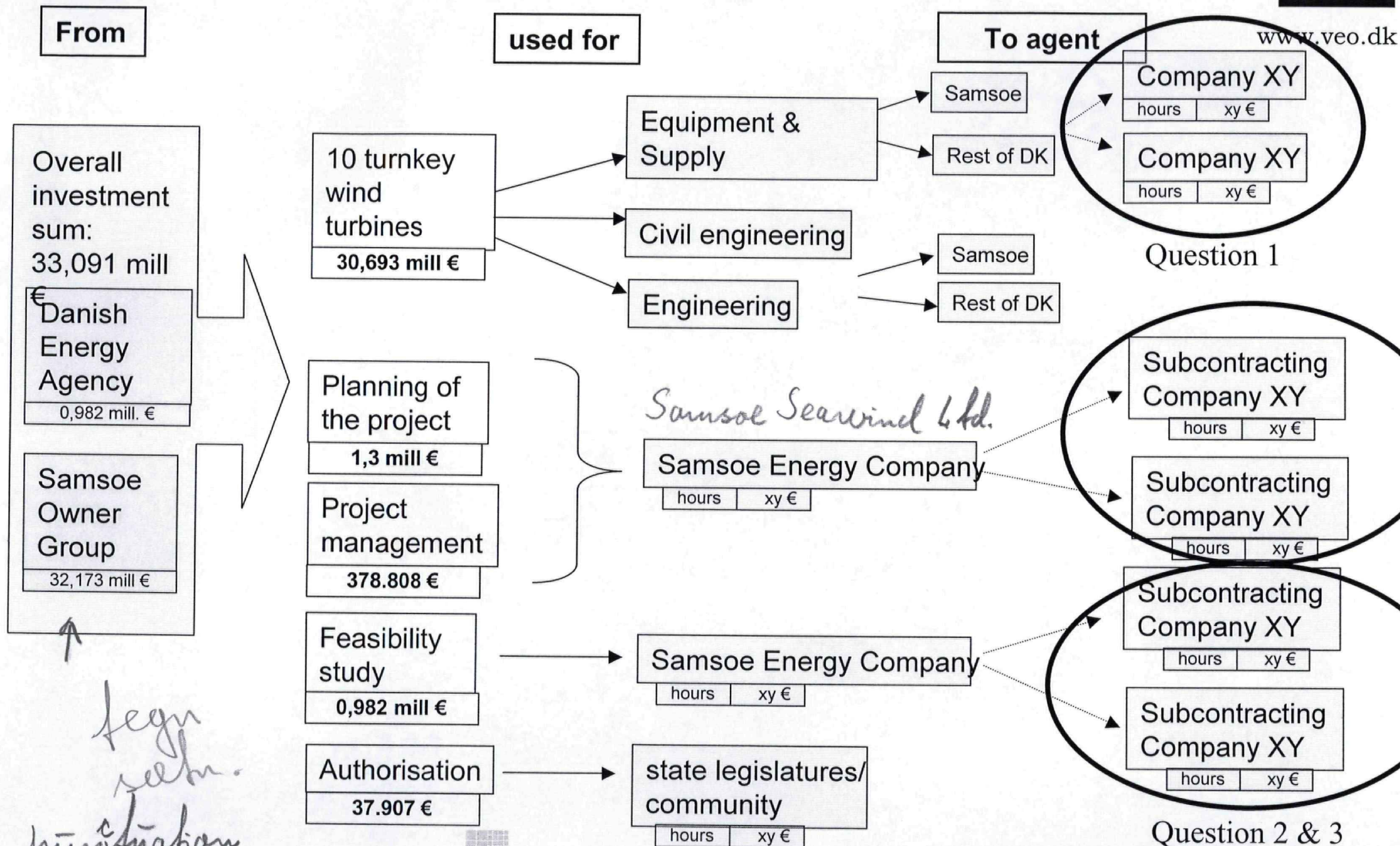
Annual balance of revenues and expenses (0-20 years)



# Capital Allocation Model - Offshore Wind Park Samsoe



Initial ~~DK~~ costs



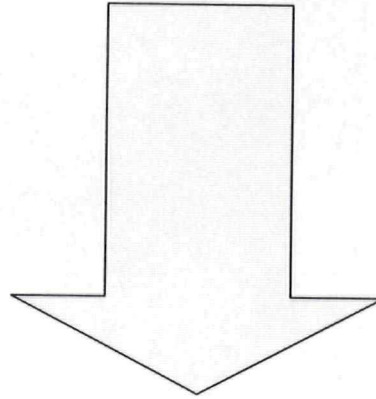


# Capital Allocation Model - Offshore Wind Park Samsøe DK

Economic impacts and economic benefits



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- (1) the level of business activity (or output) generated: 7,765 MWh /a  
= 504.725 €/a
- (2) the number of jobs created:
  - a) Temporarily: Engineering, manufacturer (Quantified?)
  - b) Permanent: Operator company, spare part supplier (Quantified?)
- (3) Increased level of income for shareholder (Quantified?)
- (4) tax revenues for Samsøe Community or DK (Quantified?)



# Capital Allocation Model - Offshore Wind Park Samsoe DK

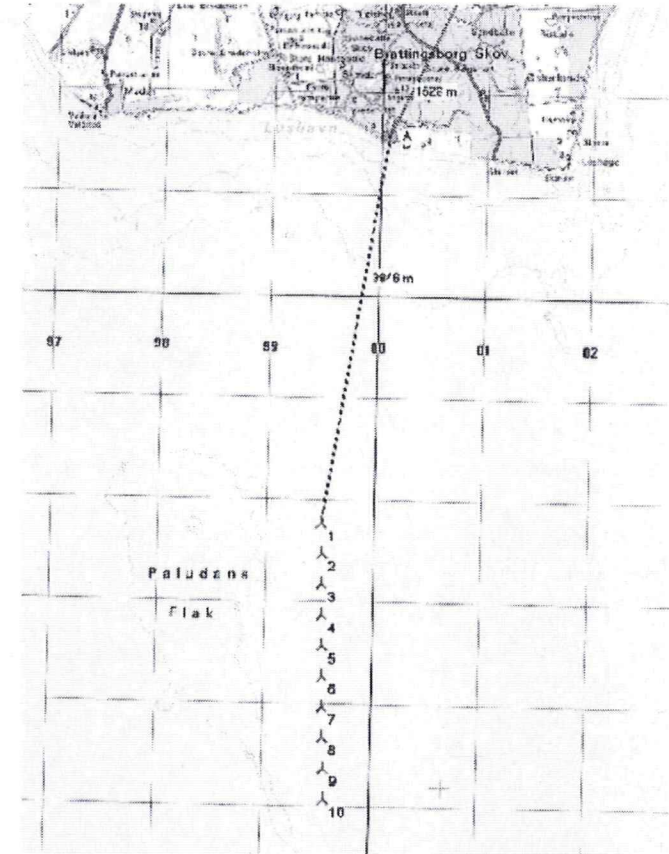


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## The off-shore windfarm - signing of shares

Signing of shares went on over the last two phases:

- the municipality has invested in 5 turbines
- farmers and local firms in 3 turbines
- a local co-op has invested in 1 turbine
- the last turbine is organised in a co-op by an investing firm, outside Samsoe



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# Capital Allocation Model - Offshore Wind Park Samsøe DK



The off-shore windfarm - turbine facts

Data for 1 turbine:

Price, app. 3.25 mill. □

Nominal power, 2.3 MW

Production, 7,765 MWh/year

Net-income, 500,000 □/year

Length, monopile, up to 48 meter

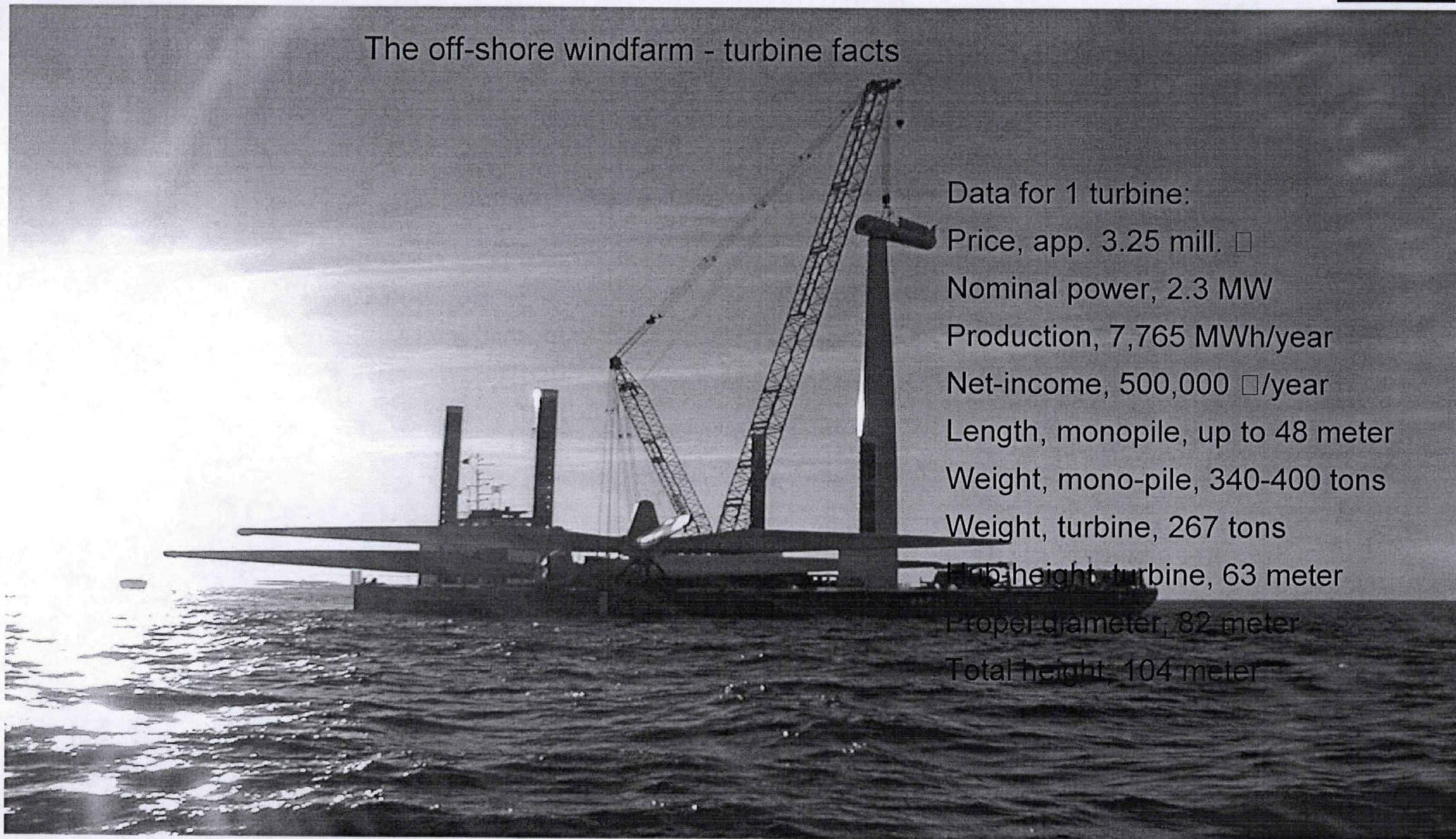
Weight, mono-pile, 340-400 tons

Weight, turbine, 267 tons

Hub height, turbine, 63 meter

Propel diameter, 82 meter

Total height, 104 meter





# Capital Allocation Model - Offshore Wind Park Samsoe DK



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## The off-shore windfarm - planning and construction

The planning, organising and establishing went over four phases:

- a pre-investigation involving three possible locations in 1998/99
- a detailed investigation on the, by the Danish Energy Agency, selected location, south of Samsoe, 1999-2001
- detailing of the project, invitation to tender, selection of turn-key project, 2001/2002
- the construction/erection period 2002-March 2003



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