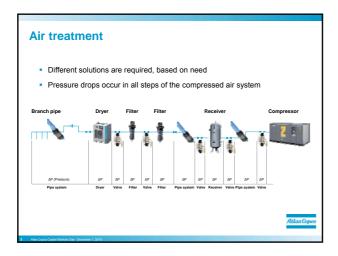
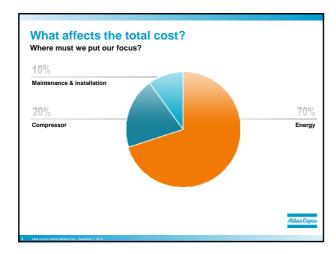
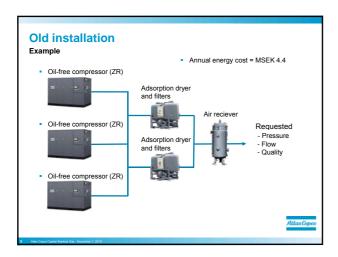
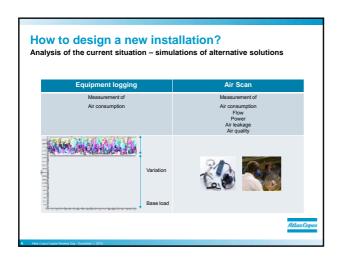
How energy efficiency drives demand for compressed air solutions Atlas Copco Capital Markets Day, December 1, 2010 Adam Airosto, General Manager, Compressor Technique Scandinavia Sustainable Productivity

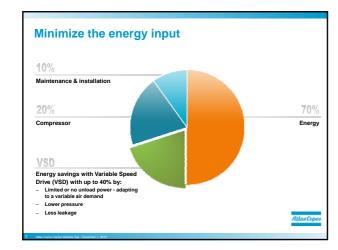




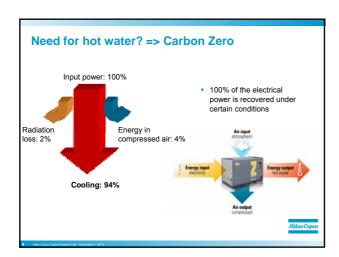








Savings with VSD Example • Air demand: 170 m³/min => 8.7 MWh/year in energy consumption • Variation: 42 m³/min or 250 kW (given by the measurement) • 8 760 running hours per year • Energy cost: 0.5 kr/kWh Saving with VSD: ~ 30% of variable part = 0.7 MWh or MSEK 0.3 per year



Savings with energy recovery Example Air demand: 170 m³/min => 8 MWh/year with VSD Recoverable energy (ZR): 94% (100%) with a temperature up to 95°C Energy cost: 0.5 kr/kWh Possible yearly saving of MSEK 3.8, if there is a need for energy (hot water)

VSD compressor in the installation Smart choice of dryer Limit the number of filters Oil-free air => no oil filter Energy recovery If there is a need for heat Optimize the service Reduces pressure drop => energy Reduces risk for break downs => more up time



What is important for an industrial producer? Why choose Atlas Copco?
 Minimized production losses maximize up time => highest quality possible
 Lowest compressed air cost possible energy efficiency => latest innovations
 World class service highly trained technicians, geographical coverage => back-up when needed
 World class support problem solving when urgent => access to highly trained technical support locally
 A partner that takes responsibility stable supplier => strong financial situation
One partner total solution provider
Atlas Copco will remain First in mind – First in choice® in all areas!
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