

Compressors Control management.
Energy savings in modern compressed air installations

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President Oil Free Air Division

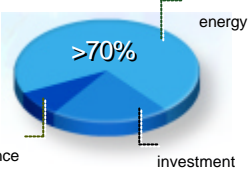


*eXtending
The Offer*


Saving Energy

Saving Energy

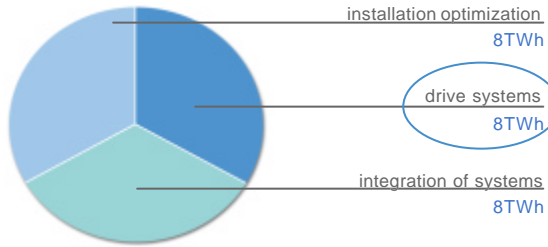
In Europe alone 80 TWh / year for compressed air



energy
investment
maintenance

eXtending The Offer 3 

Energy Saving Potential 24 TWh / year



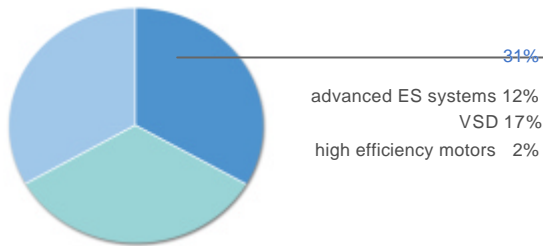
«Extending The Offer»

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Energy Savers

like electronics, software, improved drives



«Extending The Offer»

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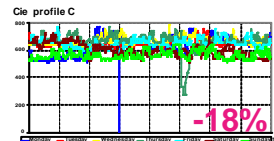
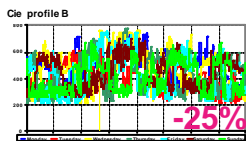
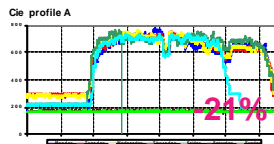
Energy Savers

THE ATLAS COPCO SOLUTION

test set-up

ZR 275 7.5
ZR 315 8.6 VSD

PLC



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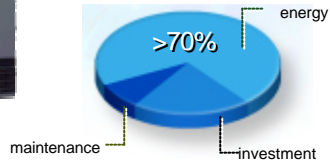
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VSD - Variable Speed Drive



20...35% energy savings



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ZR90 VSD (2002)

NEW!



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ZR500 VSD (2002)

NEW!



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ZR900 VSD (2002)

NEW!



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ZR315 VSD (2000)



First **oilfree** VSD screw compressor

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ZR160 VSD (2001)



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Energy Savers

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Customer benefits

- Constant pressure in the air-net
- Lower cos PHI on the powernet
- Electricity consumption down with 15...30...35%

Example of savings

- Say: average power consumption: 200 kWh, price: 0.05 €/per kWh
 - x 0.20 ➤ saving (20%)
 - x 8000 running hours
 - x 0.05 €/per kWh ➤ **16 000 €/ year**

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Energy Savers

like electronics, software, improved drives



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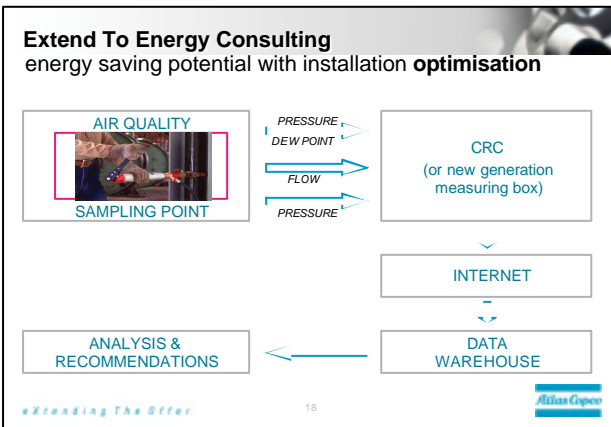


eXtending
The Offer

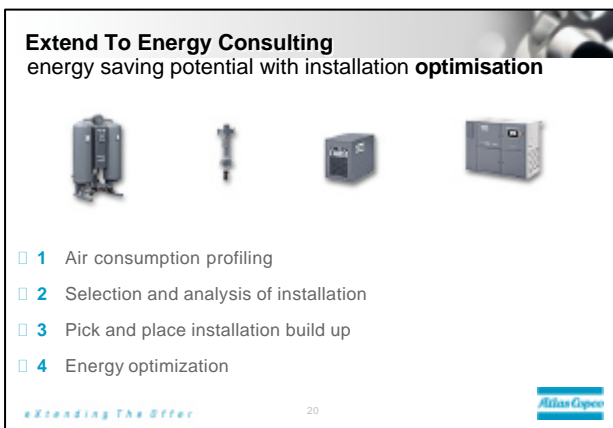
Compressor
Room Control

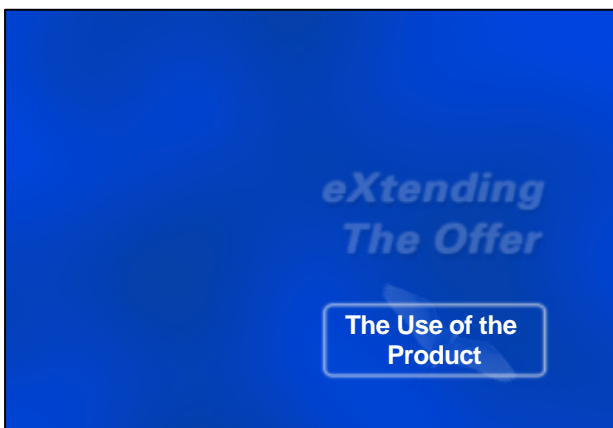












The Optimum Contract

Lowest energy cost and up-time guaranteed in one package

