

Eco-conscious printing

PRINTING HOUSE INCREASES ENERGY EFFICIENCY WITH G-BOX 50



The Essen-Kettwig Offsetdruckerei offset printing plant produces roughly one million newspapers of various titles each day. In addition to its modern production processes, the Axel Springer SE printing plant sets itself apart with its active approach to environmental protection.

A g-box 50 for greater energy efficiency

Axel Springer SE is a front runner in the printing and publishing industry when it comes to environmental protection. Conserving natural resources is a major focus, examples of this in practice include reaching an agreement with paper suppliers on forest usage standards as well as the use of printing paper containing recycled paper, and chemical-free printing plates. Ways to increase energy efficiency



and save energy in energy management at the Essen-Kettwig offset printing plant were carefully examined in early 2012. This has led the plant to use a g-box CHP.

Hot water processing and heater support

The g-box 50, with an electrical output of 50 kW and a heat output of 100 kW, is a clean solution for combined heat and power generation. The modules are especially low in pollutant emissions thanks to a three-way catalytic converter. The g-box 50 makes do with 40% less primary energy compared with conventional systems which produce power and heat separately. At the Essen-Kettwig offset printer, the g-box 50 is used to supply electricity, heat water and provide heating support.

axel springer
print management



**Axel Springer Offsetdruckerei
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g-box 50
Natural gas
50 kW electrical
100 kW thermal
Engine room installation

