

## Case study

# Boesagerskolen relieves print bottlenecks with PageWide solution



HP PageWide Pro Series doubles print speeds, while lowering costs and meeting energy targets

**Industry**  
Education

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**Objective**

Enable printing from mobile devices on the school's network, while significantly increasing print speeds

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**Approach**

Find a solution that delivers both cost savings and meets energy and environmental targets

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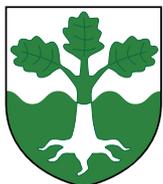
**IT matters**

- Enables easier network integration, allowing pupils and teachers to print from mobile devices

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**Business matters**

- Doubled print speeds, with up to 70 pages per minute (ppm), relieving bottlenecks at busiest times of the year
- Reduced operating costs and lowered power consumption



**“We’re looking forward to having the HP PageWide Pro in place for our final exams, where we expect to notice a big difference thanks to their considerably higher print speeds. It’ll also be interesting to look at the operating economy after the first year, but it looks as though PageWide printing is very competitive compared to colour laser.”**

– Zoran Vukmanovic, IT manager, Boesagerskolen

### **Printer rethink lowers operating costs for Danish school**

Like many others, Boesagerskolen has allowed pupils to access its print network with their own devices. This makes for a more flexible teaching environment, but has created print bottlenecks. Switching to HP PageWide Pro has doubled print speeds while lowering operating costs and meeting energy targets.

## Customer solution at a glance

### Hardware

- HP OfficeJet Pro X 451 x 2

## Challenge

### Print bottlenecks

Boesagerskolen is one of 12 elementary schools in the municipality of Egedal, west of Copenhagen. The school caters for grades 0 to 9, with over 750 pupils and 70 employees. Like other large schools, this puts considerable pressure on IT infrastructure, not only during final exams but also in day-to-day operations.

“Our students use their own PCs for their exams and are allowed to print as they go in order to check their work,” explains IT manager Zoran Vukmanovic. “Their finished answers have to be handed in by way of a printed copy and it’s important to be able to print in colour. This has created bottlenecks.”

With an increasing number of pupils bringing their own laptops and tablets with them, the school provides open access to the print network. This runs alongside the closed network for the school’s own devices.

“We’re finding that pupils are printing from a variety of different devices,” explains Vukmanovic, “and since this is usually via the open network, we’ve looked at how best to deal with this. The other issue is for super-fast printing during final exams, so we wanted a solution that could combine both.”

## Solution

### Faster, cheaper, greener

The solution came in the form of the HP PageWide Pro, the latest generation of PageWide printers. The printer uses HP PageWide technology to deliver print speeds that are twice as fast, but with 50% lower operating costs than colour laser printers.

It is also ENERGY STAR® approved with incredibly low energy consumption in standby mode, meeting Boesagerskolen’s environment and resource usage requirements. The school generates almost a quarter of its electricity through solar panels.

“We invested in two 451 versions of the HP PageWide Pro,” says Vukmanovic, “one for day-to-day use in our before- and after-school facility, the other for older pupils to print from their PCs and tablets.

“We’re looking forward to having them in place for our final exams, where we expect to notice a big difference thanks to their considerably higher print speeds. It’ll also be interesting to look at the operating economy after the first year, but it looks as though PageWide printing using the PageWide Pro is very competitive compared to colour laser.”

## Benefits

### Better performance, lower costs

The faster print speeds benefit both teachers and pupils. Printing is quicker and quieter than before, with fewer bottlenecks. This makes for a less stressful teaching environment. Pupils are not delayed by waiting at the printer, and everyone can concentrate on the essentials.

The same applies to the day-to-day running of the school. Direct comparisons between the new generation PageWide printers and traditional colour laser printers show cost savings of up to 50% per page. In an elementary school where money is scarce, the funds saved can be used for more teaching-related purposes.

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