



## Case study

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# 8,3 billion liters of clean water a day for the Big Apple

Nedap supplied the lamp drivers for the largest UV drinking water purification plant for New York City, the biggest one ever built. The plant can supply 8.3 billion liters of clean water to the more than 9 million inhabitants of New York and environs.

### UV drinking water plant, New York City

The water is supplied from the Catskill / Delaware reservoirs 160 km from the city of New York.

### Solution

To purify the water, 6000 UV Nedap lamp drivers were installed to drive 12.000 low pressure lamps. In this way the gigantic, hyper-modern purification plant is highly efficient in energy use.

### Results

- Lower operating costs
- Ease of operation and maintenance

# Saving energy

In the end, the decisive factor was our low-energy solution. This not only saves a great deal of money, but no less importantly, also reduces CO<sub>2</sub> emissions, emphasizing Nedap's focus on more sustainable operation.



▲ Building the water purification plant for New York City.



▲ Nedap intelligent lamp drivers allow full monitoring.

## Most efficient UV driver technology

All over the world there is awareness that clean drinking water is likely to become a scarce resource. New technology will help to increase production and to make the underlying processes more efficient at the same time.

Nedap's Low Pressure Lamp Drivers have a proven efficiency of at least 95%.

## Full control with Nedap software

Dedicated Nedap software can be used by engineers to test the electronic platform and to fine tune the UV lamp settings in relation to the required UV levels. The embedded software has a diagnose functionality to report about lamp status, lamp failure, lamp driver temperature and other system operations. A perfect solution to improve the implementation processes and to reduce installation costs and time.

**We power UV**  
Smart UV driver technology for more sustainable operation



**Nr. 1 technology** • Most efficient driver technology, requires less installation space. >900.000 electronic UV lamp drivers installed and in use worldwide.



**Reliable** • Nedap UV drivers are designed to last. The average lifetime production is more than 10 years.



**Flexibility** • Digital lamp selection and optimization and UV lamp dimming down to 30% and beyond.



**Insights** • Relevant data for cleaner operation. Embedded software for system data reporting.