What's New in UV

Our first open-channel UV systems were installed in the mid-1980's; by the 1990's UV systems had become mainstream and were widely adopted for wastewater disinfection. Since then, innovation in UV equipment and technology has continued, with revolutionary advancements along the way that have changed the way we think about UV. Today, our newer systems offer significant energy, labor and maintenance savings, thanks to the latest in lamp technology, sleeve cleaning and controls/automation.

NEW LAMP TECHNOLOGY

Fewer lamps (up to 1/3rd) are needed to treat the same flow thanks to new technology that can pump out up to 1000 Watts per lamp. As lamps have become more powerful, they have also become more energy efficient, saving users up to 66% energy. Improved controllers can help realize even more savings. For example, new controllers can automatically adjust lamp power during periods of low flow or changing water quality to conserve energy and extend lamp life, all while ensuring your required dose is being met.

MORE POWERFUL + **MORE** ENERGY EFFICIENT = **FEWER** LAMPS NEEDED

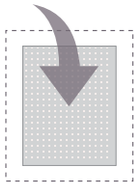
LABOR SAVINGS

In new UV systems, there are up to 1/3rd fewer lamps to maintain and new controller and sleeve cleaning technology that can simplify an operator's daily work. Smart controllers have expanded the capabilities available for monitoring and automating UV system functions, including diagnostics and alarms. Our ActiClean sleeve cleaning system saves hours of maintenance time by automatically cleaning quartz sleeves to prevent fouling.

FEWER LAMPS + **SMART** CONTROLLERS + **ACTICLEAN** SLEEVE CLEANING = **SIMPLER & FASTER** DAILY WORK

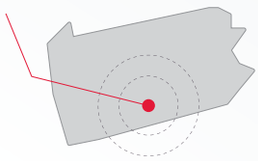
DID YOU KNOW?

Most new UV systems will fit into your existing space with room to spare.



CASE STUDIES

BOROUGH OF HOLLIDAYSBURG
PENNSYLVANIA



"The new system has been running exceptionally well. Besides routine lamp change-outs, our staff has spent hardly any time maintaining the system."

- **Frank Cassisi**, Director of Wastewater Operations

www.trojanuv.com

The products described in this publication may be protected by one or more patents in The United States of America, Canada and/or other countries. For a list of patents owned by Trojan Technologies, go to www.trojantechnologies.com.

Copyright 2018. Trojan Technologies London, Ontario, Canada. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means without the written permission of Trojan Technologies. **(0918)**

TROJAN UV™
A TROJAN TECHNOLOGIES BUSINESS