

Dear Madam, Sir,

Thousands of LIT's ultraviolet systems are used today in many parts of the world, in a wide range of applications including municipal drinking water, waste water as well as industrial processes. Among them are the largest systems now in operation in the world! But also our cost-effective and environmentally friendly solutions for process industries and fish farming are known to deliver unprecedented results.

Recently, Erwin Sterenberg joined our experienced LIT Europe team. Erwin is especially at your service for the commercial and industrial segments.

By means of this letter we are glad to share with you a few recent LIT Europe news features. We are looking forward to continue your confidence in our company, products and services.

We also take the opportunity to wish you now already a Merry Christmas and a Happy New Year!

Moscow WWTP

Last month, the city of Moscow opened its new Waste Water Treatment Plant (WWTP) at Luberetskaya-Moscow. As a global supplier of UV-disinfection systems, LIT-UV Technology was selected as the supplier for the UV-disinfection treatment of the effluent that is discharged into the Moscow River.

The Luberetskaya WWTP is one of the largest in the world. The plant processes up to 1.350.000 m³ of waste water per day. (approx. 56.250 m³/hour). The effluent has to be disinfected by UV-irradiation. UV-disinfection technology is applied after biological treatment and advanced denitrification and dephosphorization. In order to efficiently handle this amount of waste water, 8 open canals were built. LIT-UV

Certification

Vienna - LIT has acquired ÖNORM-certifications for four more standard UV-systems.

Recently the Austrian "Forschungs- und Prüfzentrum" Arsenal Research GmbH conducted several biosimetric investigation tests on our DUV-4A 350T, DUV-5A 350T, DUV-7A 350T and DUV-12A 350T systems. Tests were conducted according to the Austrian national standard ÖNORM M 5873-1:2001. This is a globally accepted quality standard for UV-disinfection.

The tests took place in cooperation with the Medical University of Vienna, the Clinical Institute of Hygiene and Medical Microbiology and the University of Veterinary Medicine in Vienna.

Last month we received the official test reports from Arsenal Research in Austria. We can proudly announce that the test reports concluded that all mentioned LIT UV systems met the requirements of ÖNORM M 5873-1(2001) and revealed a satisfying microbicidal efficacy.

The results of this test prove that our equipment meets international quality standards and motivates us to keep on going to develop high quality disinfection systems.



installed vertical UV-disinfection modules in each of these canals. These modules are equipped with 600W high power amalgam lamps.

The treated water is discharged into the Moscow River which further on flows through the city of Moscow. The UV-disinfection treatment improves the water quality of the river considerably, at the same time it is improving the general ecological situation of the city.





UV water disinfection in Aquaculture

LIT UV offers a range of very efficient UV disinfection systems for the protection of fish farms and hatcheries against water-borne diseases. Whether from a well, river, lake or sea-water source, disinfection must be included to deal with harmful micro-organisms such as parasites, bacteria, viruses, mould and fungi. UV-disinfection is now worldwide accepted as an effective treatment for influent water, recirculation systems and effluent discharge, without the formation of by-products.

As a result, the use of UV disinfection in aquaculture has led to higher yields of healthier and larger fish. Fish populations can be increased without the increased risk of disease.

The design of the UV disinfection equipment is determined by the flow rate, the UV dosage and the transmittance of the water. Each pathogen requires a specific UV dose; typical doses for aquaculture applications range from 25 to 40 mJ/cm². The UV transmittance (UVT) of the water can radically affect the sizing of the system. Pre-filtration may be required. Maintenance of UV systems is restricted to a simple replacement of the UV lamps, every 12.000 hours. Automatic wipers can be installed, to prevent build-up of any deposits on the quartz tubes which surround the lamps.



LIT UV can offer a typical solution for any application. For UVT(10 mm) > 80%, DUV-xA systems should be applied; for UVT (10mm) values < 80%, OS-xA units are used. For larger flows, open-channel systems are often preferred.

All LIT UV systems are designed around the unique, highly efficient Very High Output LIT DB amalgam lamp, enabling small foot prints and ensuring lowest costs of operation, at very competitive prices.

LIT DUV-series brochure

In the process of renewing our product brochures we are proud to present to you our latest catalog for the DUV-series. This series of closed reactor systems can be used in a variety of situations like for example potable, industrial, swimming pool and pharmacy water applications. Please contact us in case you would like to receive a copy.



Scheduled Tradeshows for 2008

Exhibition/Event	Town	Country	Start date	End date
Smagua 2008/ World Water Expo (Tradeshow)	Zaragoza	Spain (ES)	11-03-2008	14-03-08
Aqua Nederland (Tradeshow)	Gorinchem	Netherlands (NL)	18-03-2008	20-03-08
IFAT 2008 (Tradeshow)	Munich	Germany (DE)	05-05-2008	09-05-08
Exhibition & Congres IWA Vienna	Vienna	Austria (AT)	07-09-2008	12-09-08
Aquatech 2008 (Tradeshow)	Amsterdam	Netherlands (NL)	30-09-2008	03-10-08
Pollutec Lyon 2008 (Tradeshow)	Lyon	France (FR)	02-12-2008	05-12-08



Merry Christmas and a Happy New Year

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