Tsurumi enters new markets with TRN submersible aerators

In May this year, Tsurumi's TRN aerators were selected to solve a particularly difficult aeration problem at Hotel Lafodia, situated on the Croatian island of Lopud, northwest of Dubrovnik. The 600 person hotel needed a waste water treatment plant installed onsite but had no existing connection to the municipal sewer tunnel system. An additional difficulty was the very strict noise limits placed upon contracting company, ISEA d.o.o., by the hotel's management who were keen that the installation should not disturb hotel guests or anyone living in the neighbouring houses.

ISEA d.o.o. came up with an intelligent solution involving the creation of a system of modular PE (polyethylene) sewage treatment tanks, where they installed six 0.75 kW Tsurumi submersible aerators. Predrag Mlinar, Research & Development Manager for ISEA d.o.o. explained that his choice of Tsurumi pumps for the installation was an obvious one:

"We were looking for an aerator that would be cost-effective for us and also meet the noise limits imposed on us by the client. The Tsurumi pumps were a perfect match for what we needed," he said. "Although the project ran for two weeks in total, the installation of the TRN aerators only took an hour to complete."

Because the new TRN pumps operate using atmospheric air taken from the surrounding area, they have several advantages over pumps that use a pressurized air system. One key advantage is that the TRN range does not require a blower, which means that noise can be kept to a minimum – especially useful for plants installed in residential areas.

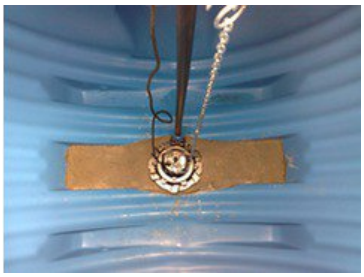
The installation costs are kept down because there is no blower and therefore fewer tubes, making the placement of the aerator much easier – achievable simply using mobile cranes. They also have numerous design features that increase longevity of the pumps and therefore reduce maintenance costs.

Finally, because the TRN range sucks air in at the surrounding ambient temperature (unlike pressurized systems which heat up the air to high temperatures) there is much less stress on the plant's plastic components meaning far less risk of melting, which can lead to costly repairs.

The new TRN series consists of ten models with motor outputs between 0.75 and 40 kW. The TRN range is adaptable for both larger projects, such as industrial and municipal waste water treatment plants, and also smaller, residential installations.

Sewage treatment plant under construction

sewage treatment tank lifted into place



TRN Pump in PE sewage tank

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Tsurumi est l'un des fabricants de pompes les plus expérimentés au monde. Dans son usine moderne de Kyoto, Tsurumi produit, chaque année, plus de pompes submersibles que tout autre fabricant de pompes. La gamme Tsurumi possède actuellement plus de 1.800 modèles de pompes différents, dont celles à semi-vortex, à turbine vortex, anti-engorgement, à coupoir, des pompes de chantier et d'assèchement, pour les eaux d'égout et les eaux usées, à aérateurs et à souffleurs, pour les unités de décantation et à écumeur. Tsurumi est présent dans le monde entier, grâce à un réseau important de revendeurs en Europe, en Amérique du Nord et du Sud, en Asie, en Australie et dans certains pays africains.
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