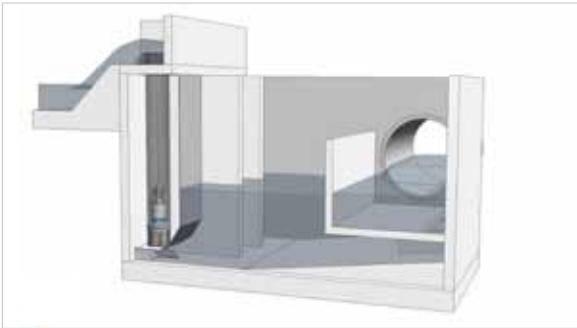




# All the dynamics to move volumes



## Smaller footprint

The small profile of the new Slimline propeller pump means less space is required for the pump station. The smaller pump profile fits to smaller column pipes. Since the pump bay width is determined by the column pipe diameter, the pump station footprint is thus reduced. The smaller the station, the lower the cost of excavation, concrete and construction labor.

At the same time, the Slimline propeller pump delivers advantages in sustained high efficiency and minimal maintenance, reducing demands on your station operation.

The propeller pumps can be installed in many different ways to ensure the most cost-effective solution. We will work with you, using our advanced engineering tools, to provide essential information on dimensions and layout as well as other features for optimal operations.



## Higher reliability

Flygt propeller blades feature patented N-technology with the backswept design of the leading edge. This sweeps debris away from the propeller along the relief groove located in the wear ring. Specially designed guide vanes help force debris out of the pump housing by the strong turbulent flow created within. These self-cleaning capabilities minimize soft and hard clogging, contributing to increased reliability, less maintenance and virtually no unplanned stops.

The reliability of Flygt Slimline propeller pumps is reinforced by an overall robust design with hard iron wear ring, short shaft overhang and lifting and cable handling system. All of our propeller pumps are factory tested to verify high performance and premium quality.

No matter where you are located or what your application, professional support, services and genuine Flygt spare parts are nearby through our global network of local service centers and service partners. You can rest assured that you incur minimal downtime and the most cost-effective operations at all times.

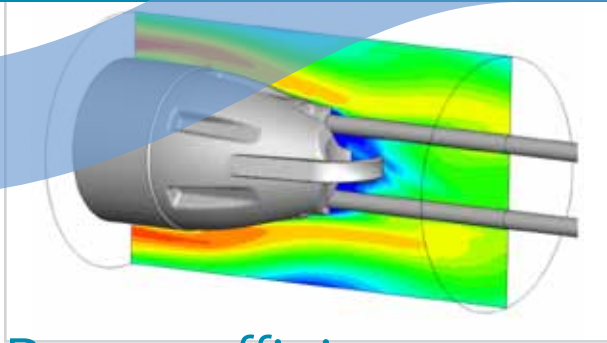


## Our expertise

Flygt has extensive knowledge of fluid dynamics and practical experience in designing, operating and maintaining efficient pumping systems. We have conducted system analyses and designed pump stations for thousands of installations around the world.

With skilled engineers, we offer support and service for pump station design, system analysis and calculations, installation, commissioning, operation and maintenance. We can design and analyze your system using our state-of-the-art computational programs. We can test your pump station using scale models, if required. We can also provide you with reference installations that are similar to your project.

Our engineers will work closely with you, from product selection to pump station design and equipment installation, to ensure you get an optimal solution for economical and reliable operation.



## Better efficiency

In operation, sustained high efficiency is enabled by the propeller's optimized load distribution. This ensures peak propeller performance as well as suppressing flow separation losses due to the flow path curvature in the guide vane passage. Additionally, the pressure profiles have been further refined to increase efficiency and cavitation performance. The even velocity distribution, without dead zones and recirculation in the guide vane area, has been accomplished while keeping the area expansion in the division of the discharge low. All this adds to a state-of-the-art pump efficiency.

Superior clog resistance is enabled with proven N-technology, with its swept leading edge, further contributing to sustained high efficiency.

