

# Rovatti Pumps at Fish Farms in Scandinavia



The geographical location, nature and topography of Scandinavian Countries have meant that these contexts have been dependent upon gathering and utilizing the riches of the sea. Effective, sustainable and responsible fish farms management is a main pillar for these Nations. For this reasons the main Aquaculture Industries have entrusted the Italian quality of **Rovatti** pumps for the technical administration of their plants and facilities. Most of these Companies are employed in salmon farming, obviously using a large number of centrifugal pumps for different tasks. Salmon is bred for a long time in freshwater, taken from rivers or subsoil, and in this case the Rovatti close-coupled electric pumps MNE series are used to feed the tanks that contain the fish. The function of the plant is also to keep the water temperature constant: in fact heat exchangers are also installed to convey hot water coming from the

subsoil in order to mix it with cold water. MNE pumps are also used to supply water oxygenation systems, as both the liquid temperature and the level of oxygen affect the hunger and therefore the growth of the fish. In the final phase, the salmon are moved to tanks containing sea water, pumped by wells near the coast and where Rovatti borehole Extreme pumps are installed. Everything is constantly monitored by sophisticated electronic equipment and the plant manager can check all of these operations in real time from his office, intervening immediately in case of breakdowns or other necessities. In one of the most recent projects Rovatti Pompe has provided dozens of MNE (with different hydraulic dimensions and motor powers) including Horizontal electric pumps coupled to IEC standard electric motors by rigid coupling and pump body in compliance with EN733 standards. ■