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Titolo: Salmon farm flow optimization through CFD simulations

Swiss Lachs AG uses an innovative indoor plant to farm salmon, consisting in a circular pool whose water is moved by propellers while fish swim in a controlled environment. Besides to the interesting fluid-dynamics and process advantages characterizing this new technology, it suffers of a major problem given by the large generation of flow turbulence and recirculation which affect the plant efficiency and reduce the salmon growth.

The aim of this work consists, therefore, in the fluid-dynamics optimization of the plant through CFD simulations.

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