






<p>Adaplab – Self-Tuning/Adaptive-Controller software solutions for more energy efficient electric Drives applications within pump / ventilation systems</p>	<h3>Description </h3> <hr/> <p>Adaplab develops novel industrial Self-tuning/Adaptive-Controller software solutions for complex/dynamic process control. It could save up to 10% of electric energy when used for electric Drive (controls frequency and torque of electric current motors) control within pump and ventilation systems and is implemented within already existing hardware.</p>
 <p>Adaplab Latvia</p>	<h3>Business Model </h3> <hr/> <p>We develop industrial software for already existing other brand hardware units like electric Drives and PLC's (programmable logic controller). We mainly focus on software licensing per unit to Drive / PLC manufacturers (also equipment manufacturers and end-users that use these units), increasing its performance within complex/dynamic processes. Our base technology algorithms are more efficient and robust during intensive process disturbances (i.e. flow / temperature / pressure changes etc.) as confirmed after tests with large Europe's PLC manufacturer.</p>
<h3>Category</h3> <hr/> <p>Energy, Energy efficiency, Manufacturing, Robotics, Smart buildings</p>	<h3>Target </h3> <hr/> <p>Our main target is to complete development and tests of the first version of Adaptive-Controller software for more energy efficient electric Drives applications within pump / ventilation systems. From the business perspective our aim is to locate 2-3 potential industry clients and perform validation tests and first pilot implementations of our Adaptive-Controller solution within such systems.</p>
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