

ABSTRACT

Control of Heavy Machines

The present invention relates to a system for controlling rotational speed on a rotating process machine (P), which for example is a turbine or a propeller, where the rotating process machine (P) is connected to at least one motor (M1) and arranged to rotate with a given rotational speed given by the motor (M1), the motor (M1) is connected to a control system (C) and the rotational speed of the motor (M1) is arranged to be controlled by a control system (C). The rotating process machine (P) comprises a load control (PC) arranged to be adaptable, the control system (C) is connected to the rotating process machine (P). With the invention, one achieves soft transitions between several selectable rotational speeds and lower energy consumption by step by step adjusting the size and the rotational speed of the motor (M1) to varying energy requirement.

Fig. 1