



Radius PDR and T-Mod facilitates the control at the water purification plant in Kristianstad

The water plant uses T-Mod for an improved supervision.

Kjell Persson, works manager at the water purification plant, uses Radius PDR system as communication and has also just invested in Radius T-Mod to be able to handle analogue and digital signals. "It works perfectly" Persson comments on the new equipment..

3 miles from the water purification plant, is a submersible pump for drinking water. The pump is at a depth of 115 ft, but the actual hole is at a depth of more than 330 ft. The signal that starts or stops the pump comes from a sub central in the vicinity of the control system. It goes to a Radius T-Mod that uses one of the analogue and digital outputs, then over the PDR to corresponding PDR and T-Mod slave out by the pump.

CONTROL OF THE WATER LEVEL AT THE ELEVATED TANK IN TOLLARP

Another example where the water purification plant has used the T-Mod and the PDR is to keep track of the water level in the water tower. Here a sensor that senses the water level in the tower is connected right

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into one of the four analogue inputs. Then the T-Mod makes the sensor work. When the water level is below a predetermined level, the pumps start working and when the level has reached its terminal value, the pumps stop. The T-Mod also has a flip-flop connected to one of its eight digital inputs. The reason for this is to bring attention to if the level in the water tower has reached a critical level. This is an additional safety measure should there be any problem with the sensor. The communication between the T-Mod and the sub central occurs with the PDR. "Before, we had an older telephone system and problems both with an expensive subscription and bad signals. Now, I use a free frequency which means that the transfer of data doesn't cost a thing" Persson explains.

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