



THE COMMISSIONING OF THE NEW SYSTEM WENT WELL AND WITHOUT ANY PROCESS DISTURBANCES.

- Tiina Oksanen, Operations manager, Riihimäki Water

MORE CAPACITY FOR THE WASTE WATER TREATMENT PLANT

Riihimäki Water (Riihimäen Vesi) is a long-term partner for Mipro. The latest example of the co-operation between the two companies is the extension and renovation project of the waste water treatment plant. Mipro's role in the project was to deliver the automation. The project was completed at the end of 2014.

SYSTEM KNOWLEDGE – ADVANTAGE OF A LONG-TERM PARTNERSHIP

In the extension and renovation project the co-operation between Mipro and Riihimäki Water started already at the planning stage.

- For over ten years, Mipro has delivered our automation systems and knows them thoroughly. Already at the planning stage of the project, we got all the necessary background information about the old system directly from Mipro. This significantly facilitated the work of the design company, explains operations manager **Tiina Oksanen** from Riihimäki Water.

- Even though we are not experts of automation systems ourselves, we could trust that Mipro and the design company speak the same language.

According to the main designer, Mipro's project engineer Lauri Nykänen, the starting point in the project was advantageous for all participants:

- Thanks to the long-term partnership, we already knew the special characteristics of the customer and their water management system.

- In the case of Riihimäki Water these special characteristics concern the additional load caused by the nearby dairy and the fact that the cleaned waste water is fed into the Vantaanjoki River. Due to these factors, the significance of the faultless operation of the automation system and the cleaning process is emphasised compared to a situation where the cleaned waste water would be fed into a larger water system, Nykänen describes.

SUCCESSFUL PROJECT FROM BEGINNING TO END

The implementation of automation for the renewed and extended Riihimäki plant was a large-scale project. In its most critical stage the plant's old automation system was replaced with the new one. All the parts of the automation technology were not renewed and they needed to be integrated into the new system. This provided an additional challenge.

- Thanks to Mipro's expertise, the changeover to the new system went well and without any process disturbances. This is a significant achievement, says Oksanen.

In her opinion, Mipro's contribution to the renovation and extension project was on the whole very successful.

- Mipro carefully took into account our comments and development proposals and managed to implement an automation system that is tailored to our needs, states Oksanen.

- During the project, we maintained a commissioning plan including tasks to be completed and their schedule, contractors' responsibilities and schedule, persons in charge, contact persons and so on, Nykänen explains. The customer was very pleased with this mode of operation.

- We were especially satisfied with Mipro's service and support during the commissioning phase, continues Oksanen.

The planned lifecycle of the automation system renewed in the project is 15-20 years. A customer support contract between Mipro and Riihimäki Water helps to achieve this long lifespan.

- We meet regularly with Mipro's experts and go through all matters of concern. Face to face meetings provide a functional course of action, says Oksanen.

OPERATIONAL RELIABILITY WITH CONSTANT DEVELOPMENT WORK

Oksanen has worked in close co-operation with Mipro since she started as an operations manager in Riihimäki Water in 2007. According to her, Mipro's constant devotion to develop its services and operations counts among the company's absolute strengths.

- Mipro does continuous development work and rethinks how they can improve their services and systems even further. This forward-looking attitude is a great benefit for Mipro's customers.

- The latest concrete example of Mipro's progressive development work was the renewal of our data network which Mipro executed as a turnkey project. Thanks to this implementation, our network could be detached from the subordination of the city's data network. This long-term wish of our company came true in autumn 2014, adds Oksanen.

- The new independent data network enables remote access, which greatly eases the work of duty officers: now a person on duty can also operate the processes from their home.



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RIIHIMÄKI WATER, IA PROJECT OF THE WASTE WATER TREATMENT PLANT:

- » Process automation
 - MiSO Net control room system modernisation
 - 10 automation centres, a total of approx. 3000 I/O points
- » Integration of the plant's temperature, ventilation, instrumentation and automation to the process automation
- » Approx. 280 new instrumentation devices

