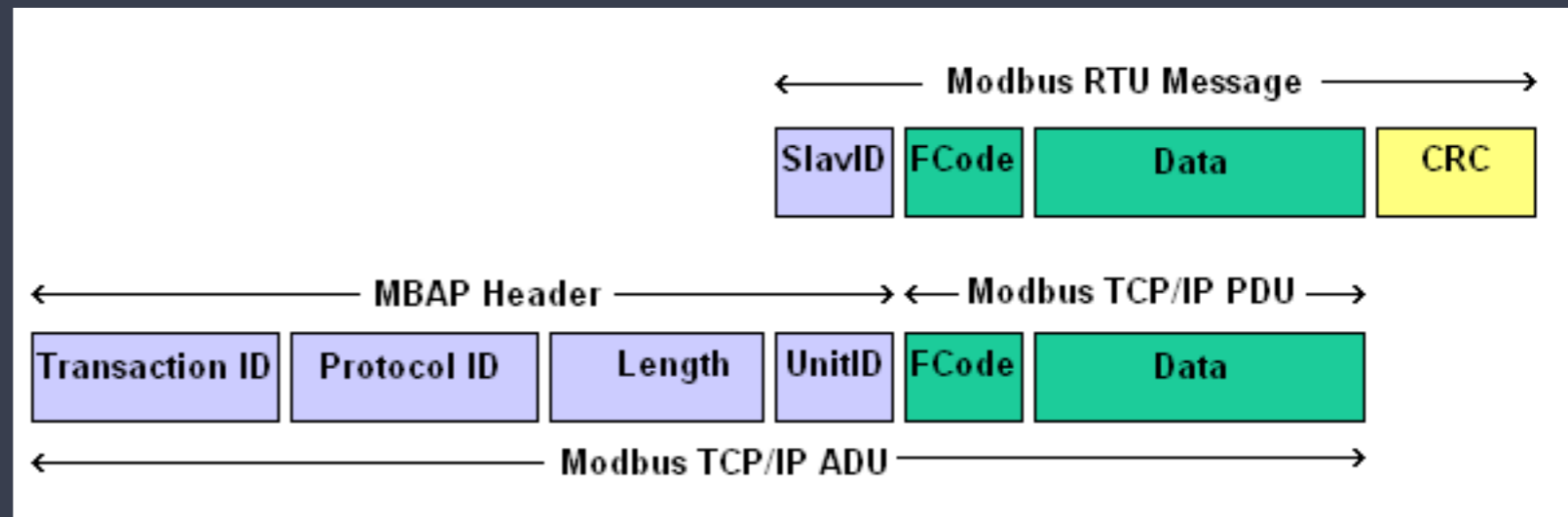


CASE STUDY

INDUSTRIAL MACHINE PROTOCOLS FOR OPTIMIZED FACILITIES



Manufacturers of equipment chillers, cooling towers, boilers, and water pumps have discovered the stronger selling potential and higher profit margins of adding digital controls to their equipment. However, most of these have been developed in a “vacuum” without industry and user feedback. We have more “intelligent products today that either malfunction or do not adapt to the application thanks to this industry rush for cash. But it is more than a rush for money, it is also a tool to control the clients future purchasing decisions. Enter private communications protocols for products clearly designed to apply to complex applied systems where monitoring is required and data exchange between major components is necessary.

MISSION OBJECTIVES

HOSPITAL FACILITY

- UTILIZE INTELLIGENT WATER FILTRATION SKIDS EXISTING INTELLIGENT CONTROLS
- OPTIMIZE EQUIPMENT MAINTENANCE INSPECTIONS BASED UPON DATA COLLECTION
- COLLECT CRITICAL DATA ON OXYGEN GENERATOR SKIDS TO DEVELOP SUPERIOR MAINTENANCE

Industrial proprietary protocols continue to multiply like internet bots and viruses, complicating the integration and operation of large organizations dependent upon greater levels of efficiency.

Confounding the challenge is that each manufacture has a monitoring solution unique to themselves and is limited by their overall product vision.

With U.E. Consulting "Operational Superiority" approach the client was able to utilize our engineering experience to set up a purchasing policy that better chooses their oxygen skids and water skids by choice of monitoring performance in addition to basic capacity specifications. Integration costs dropped by 200% and well developed protocols like BACnet were able to be selected over many proprietary protocols.

The end result where no data monitoring of equipment was done before is a system of installation , tracking, and then planned maintenance that gives control back to the organization rather than responding to catastrophic or unplanned emergencies.

Choose U.E. Consultants to simplify, streamline, and make the best value and longevity of a expensive and intelligent machines

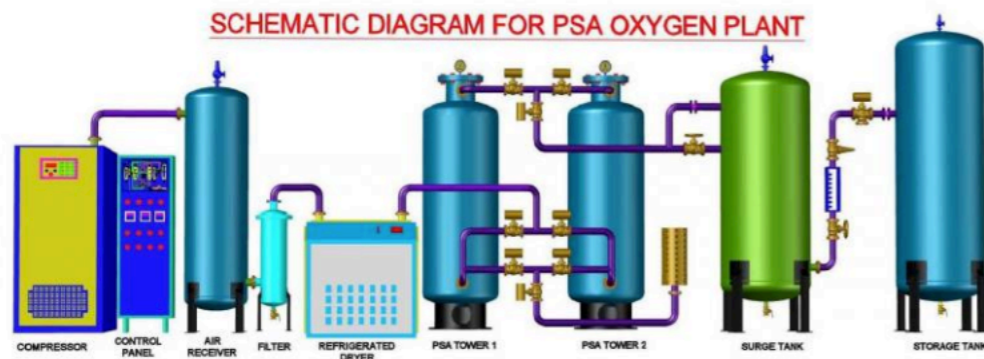


With over 400 temperature control zones and air handler status' instantly color coded, real time, every minute a building system operator can scan issues and focus on important repairs without scanning numbers and then interpreting them to comfort temperatures in their head.

With a graphical system that can offer up hundreds of thousands of performance data points a second is a tool that can save time and effort. Trend data interpreted and visualized allows less operator time for training and more time for expert analysis.

In the end, the client received much more than a technical "upgrade". They evolved to a higher way of operation with greater throughput of information with less effort, long standing issues resolved, and a new method to diagnose and resolve issues at lightning speed.

Trust our team to bring you both upgrades and evolution to your organization.



Upgrade Evolve

TECHNOLOGY ENVIRONMENTS HUMAN PERFORMANCE