

Honeywell

THE POWER OF **CONNECTED**

QCS 4.0: DECADES OF EXPERIENCE AND EXPERTISE EMBEDDED





Just like every other market in today's economy, paper, tissue and flat sheet producers are facing numerous challenges. As global competition has intensified, they must find new ways to thrive by improving operational processes while lowering maintenance costs and raising quality standards.



Challenges

In today's competitive environment, papermakers, tissue and flat sheet manufacturers, need an effective solution for maintaining optimum QCS performance. At many plants, key experienced resources are retiring, and on-site personnel cannot be experts in every aspect of system handling – from Cross Direction (CD) and Machine Direction (MD) control to Grade Change tuning and optimization – to keep assets at top performance levels. Dispatching an expert to the site is costly and often inefficient.

Solution

Honeywell's new QCS 4.0 offering provides valuable control insights in real-time via performance dashboards based on Honeywell's secure IoT Sentience platform. QCS 4.0 offering is built on deep domain expertise of Honeywell QCS Engineers and decades of remote monitoring experience – bringing key advantages to plant.

Honeywell has provided remote monitoring services at more than 50 QCS sites over the past decade. These services have been provided to many of the largest paper, tissue and flat sheet manufacturers in the world. Knowledge, experience and best practices in remote monitoring of QCS system is embedded in innovative QCS 4.0 offering.

Results

For Honeywell customers, remote QCS monitoring ensured significant decrease in incidents and quality degrade with almost 50 percent reduction in operational costs. The following examples describe how Honeywell customers have achieved successful outcomes over the years by relying on Honeywell experience and expertise to achieve optimum QCS performance

QCS 4.0 extends and enhances Honeywell's proven QCS solutions, leveraging the latest digitization and Industry 4.0 technologies. At the core of this offering is the Honeywell Sentience IoT platform, which provides robust and secure big data capabilities for all connected solutions.



INCREASED PRODUCTIVITY



Honeywell helped a major tissue and paperboard producer headquartered in the U.S. Pacific Northwest achieve its goal of improved productivity and decreased maintenance. The manufacturer took advantage of robust QCS features and implemented Honeywell's QCS Support Program with remote monitoring capabilities as a more cost-effective alternative to on-site support services. Utilizing this solution, it was able to continuously monitor the health of the QCS and provide service experts with the information needed to run the system in the most effective way possible.

By monitoring system performance, the manufacturer could detect many issues early on and notify the right people at the right time – eliminating production losses, improving mill performance, and increasing profitability.

INCREASED AVAILABILITY



A major tissue and packaging producer located in the southeastern U.S. experienced the value of email alerts sent by the Honeywell remote monitoring system.

Late one evening, an alert notified mill personnel of high-temperature alarms on the upper and lower heads of a bale scanner. Technicians got to the mill in time to repair the problem before incurring downtime on the scanner.

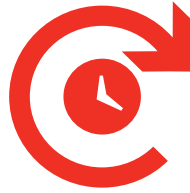


LOWER COST



Honeywell deployed QCS remote monitoring when a leading tissue producer on the U.S. East Coast was seeking an alternative to traditional on-site support services. With this approach, the company optimized its mill asset management strategy and significantly improved control of its maintenance budget.

LESS DOWNTIME



An expanding global paperboard manufacturer also realized significant value from Honeywell's remote monitoring alert system. The company's maintenance staff received alerts at 3:30 AM of a basis weight sensor problem. There were unexplained changes to three critical process parameters, which made the sensor appear to be less stable.

Thanks to email alerts from Honeywell QCS experts, maintenance technicians were able to address the sensor performance issue without having to stop the paperboard production operation.



IMPROVED PERFORMANCE



A leading paper manufacturer on the U.S. West Coast identified problems with moisture control. Site engineers reached out to Honeywell experts for assistance with retuning the process model and reconfiguring MD Control for moisture. Honeywell experts leveraged the benefits of the remote monitoring system already implemented at the site to quickly analyze the data and issues, and develop a new process model in a short period of time. The model was tested over several days, and its performance was monitored on site by the customer and remotely by Honeywell experts. Within two days, the new model was permanently deployed, resulting in a significant improvement in moisture control.



Conclusion

Honeywell's QCS remote monitoring capability with decades of quality control system experience and expertise helps sustain and enhance the value and benefits of critical production equipment – driving higher product quality and improved customer satisfaction.

Honeywell's new QCS 4.0 offering is based on the deep domain expertise of Honeywell QCS Engineers and decades of remote monitoring experience – bringing key advantages to your plant. This solution employs the latest secure, IT-friendly, fourth generation technologies to deliver significant value to customers at a fraction of previous costs.

For more information

To learn more about how Honeywell QCS solutions can improve performance, visit www.honeywellprocess.com or contact your Honeywell Account Manager.

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