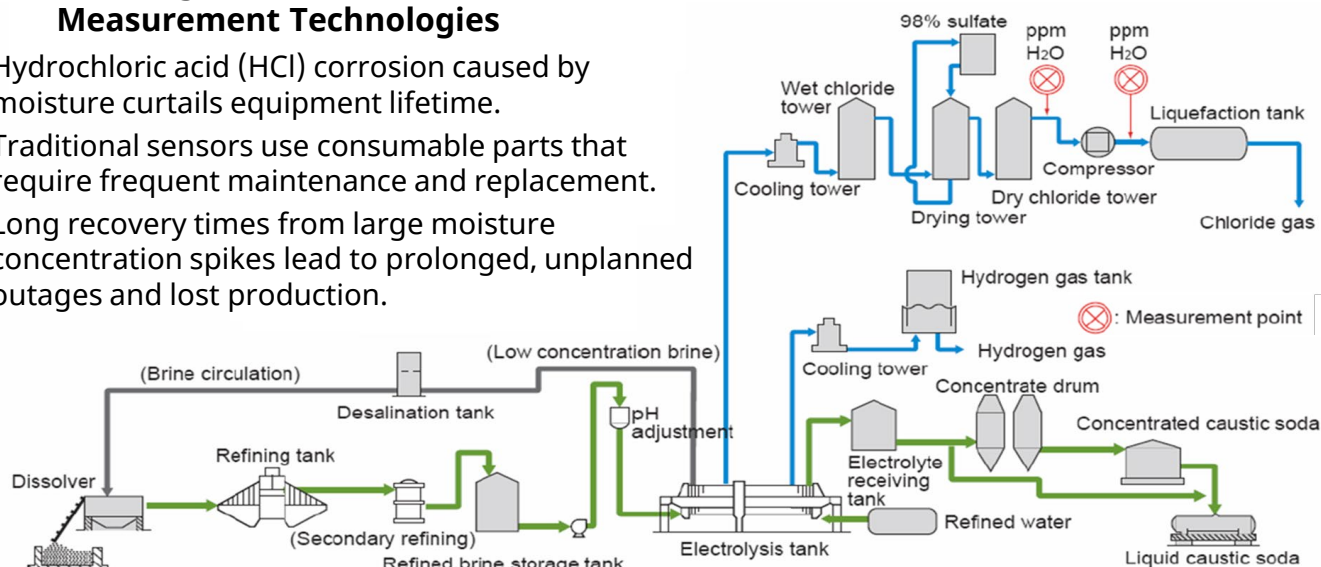


Yokogawa has incorporated our leading-edge technology and extensive application know-how into pre-engineered solutions that enable the industry to overcome traditional application challenges, optimize production, and sustain value over an entire plant lifecycle.

Challenges with Traditional Measurement Technologies

- Hydrochloric acid (HCl) corrosion caused by moisture curtails equipment lifetime.
- Traditional sensors use consumable parts that require frequent maintenance and replacement.
- Long recovery times from large moisture concentration spikes lead to prolonged, unplanned outages and lost production.



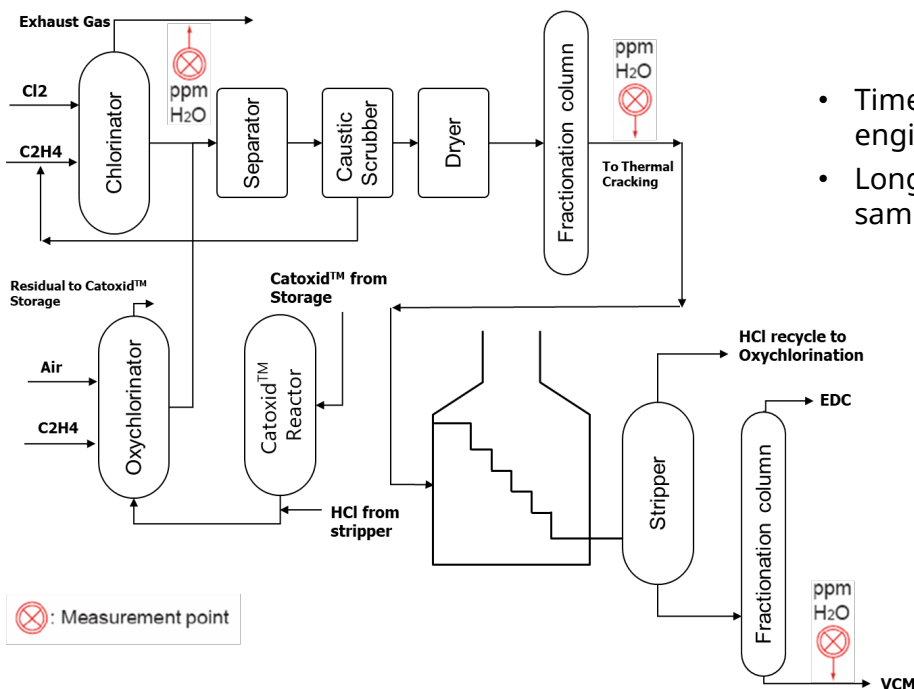
Application: Brine Electrolysis

Challenges with Traditional Measurement Technologies

- Time and expense of custom designed and engineered solution
- Longer lag times due to distance from sample take-off

Pre-Engineered Benefits

- *Minimized engineering and design costs*
- *Application expertise*
- *Quick response and recovery*
- *Reduced maintenance costs*
- *Increased measurement reliability and integrity*
- *Reduced sample lag time*



Application: Vinyl Chloride Monomer Production

Specifications

Moisture in Chlorine Solution		TDLS8000	
Ambient Temperature	-13 to 140°F	Measurement System	Tunable Diode Laser Spectroscopy
Process Supply Pressure	0 to 100 psig	Analog Output	2 points; 4-20mA Output Range; 3.0 to 21.6mA DC
Process Supply Temperature	50 to 131°F	Analog Input	2 points, 4-20mA, Inputs; Process Temperature and Pressure
Process Return Pressure	0 – 80 psig	Digital Output	2 points, Function: Warning/Validation/ Warm-up/Maintenance conditions Fault; Activated during fault conditions
Sample Transport Bundles	By Yokogawa, By Others	Digital Input	2 points, Function; External Alarm/ Validation Start/Stream Switching
Sample Transport Tubing Material	Monel, Hastelloy C	Communication	HART, Ethernet, Modbus TCP
Sample Handling System Materials	Monel, Hastelloy C	Operation	CID2 Touchscreen LCD HMI
Nitrogen Dryers	Single, Dual		
Communication	Ethernet, Fiber		
Hazardous Area Classification	Class 1, Division 2, Group BC&D, T3		

Proven Designs. Quick Installation. The Best Just Got Better.



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