



WE'RE HYDR GEN



THE PATH TO NET ZERO





ABOUT US

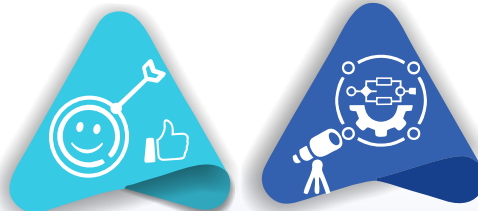
Since 1992, Artee Flow Controls Pvt. Ltd. (AFCPL) has been delivering innovative and reliable process solutions across various industries. As a platinum partner of Honeywell, an industry leader in automation, we specialize in process automation, building automation, green hydrogen production and blending, and more.

During the journey, got opportunity to associate with Honeywell as channel partner & system integrator. Based on YOY growth, Honeywell elevated our association in Platinum category which is highest level of business growth. Honeywell systems and components are exclusively used in AFCPL process automation solutions, making them the most cost-effective on the market. From the start of our journey, our approach is to give solution more indigenous which improve the end user productivity, Improve natural resource effective utilisation (Fuel, Technology, Manpower, Water, etc). As we grown, we are with 250+ skilled, resourceful & domain knowledge employees spread across India's West and Mid-regions. We are supporting & delivering various products & solution for process automation solutions. We offer product-based solutions such as Industrial Valves/Steam Traps, Pumps, Field Instruments, as well as Integrated Process Control System (DCS - PLC), Fire, Gas & Safety Solutions and Engineering Services to support process industries.



MISSION

To evolve as a leading Process Solution Company, by giving impeccable product quality, end-to-end solutions, Turn-Key solution and services in all fields of Process Automation with a view to achieving the highest level of customer expectation.



VISION

"Redefining Process Automation Solutions", Artee Flow Controls is one of the fastest-growing companies in the fields of process automation, instrumentation, mechanical, and safety-security solutions.



NEXT-GEN GREEN HYDROGEN VALUE CHAIN



Green hydrogen value chain - from production and conversion to transmission, storage, and distribution. Our solutions empower operators and OEMs to enhance safety and profitability at every stage.



GRID INJECTION SYSTEM



- Ensure safe, reliable hydrogen injection into gas grids with pre-packaged solutions for fast execution and lower costs.
- Achieve complete control with remote monitoring through the "Connected OEM" system.

HYDROGEN BLENDING



- Standardize hydrogen blending with natural gas to reduce carbon footprint with precise control via rotary flow meters.
- Optimize process efficiency using Gas Chromatograph controlled blending for accurate gas composition data.



GAS METERING & CONTROL

Problem: Natural gas pipeline operators must prepare for hydrogen integration, ensuring existing and new infrastructure is hydrogen-compatible and blending is safe and reliable.

Solution: Gas portfolio supports natural gas with up to 30% hydrogen and offers engineered solutions for safe hydrogen injection and blending in industrial applications.

GAS FLOW METERS



- Ultrasonic flow meters suitable for natural gas containing up to 30% hydrogen.
- Turbine meters ready for use with 100% hydrogen
- Maintenance free metering with the RABO Compact significantly reducing cost of ownership.

PRESSURE REGULATORS / SAFETY VALVES



- Full range portfolio of gas pressure regulators and safety valves for distribution, transmission and industrial applications.
- Rugged design for reliable and safe operation
- Modular design to fulfill needs in modern gas industry as well as electronic automation capabilities



VOLUME CORRECTORS



- Full range battery operated field mounted volume correctors as well as full continuous flow computers.
- Suitable for hydrogen application applying AGA9-92DC or SGERG-mod-H2 algorithms
- MID approved for applications with up to 100% hydrogen

GAS ANALYZERS

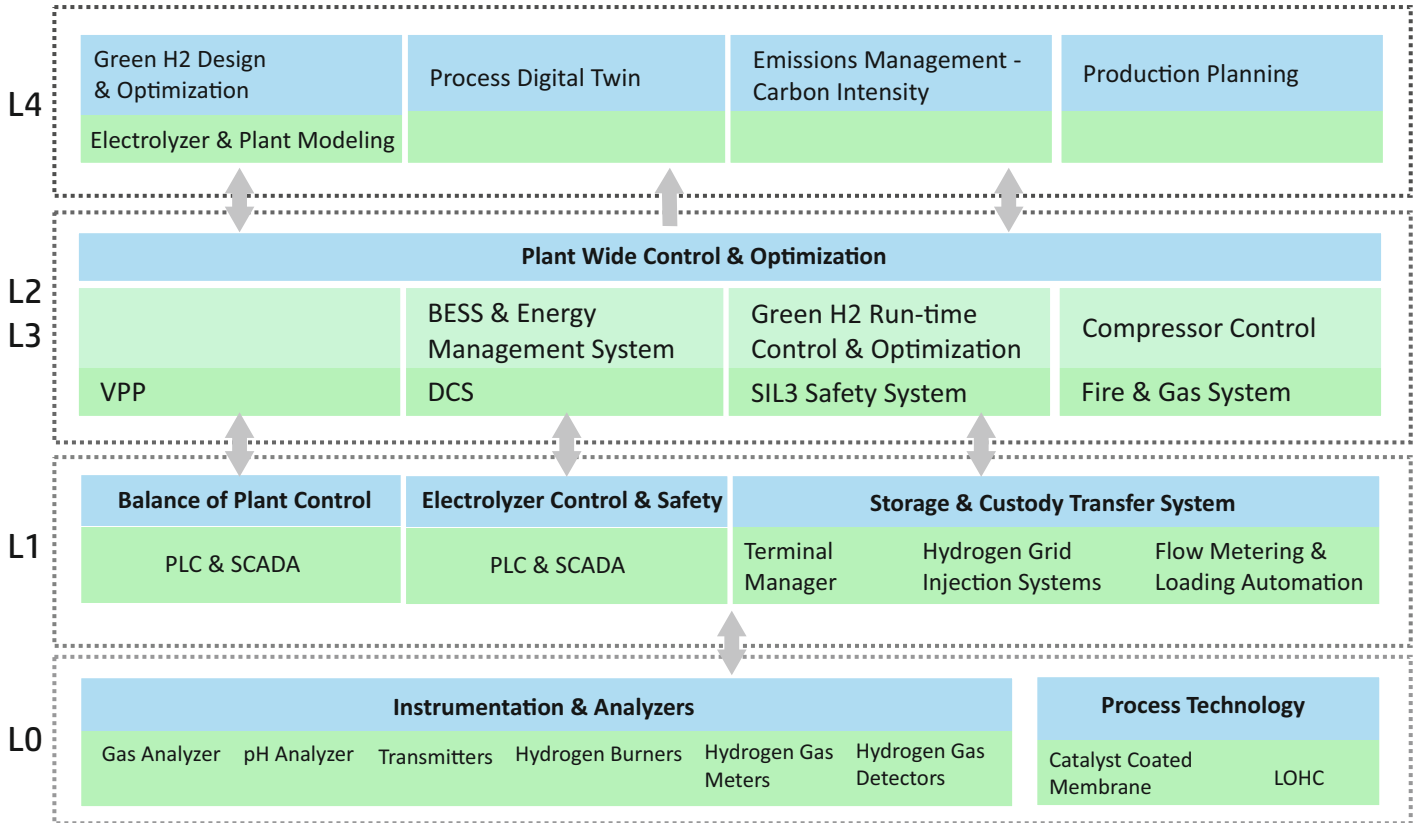


- C6+ analysis including hydrogen assuring correct measurement of blended gases.
- Low carrier gas consumption results in OPEX savings and minimal He-cylinder changes.
- Impurities measurement in hydrogen
- Highly accurate and fast hydrogen analysis



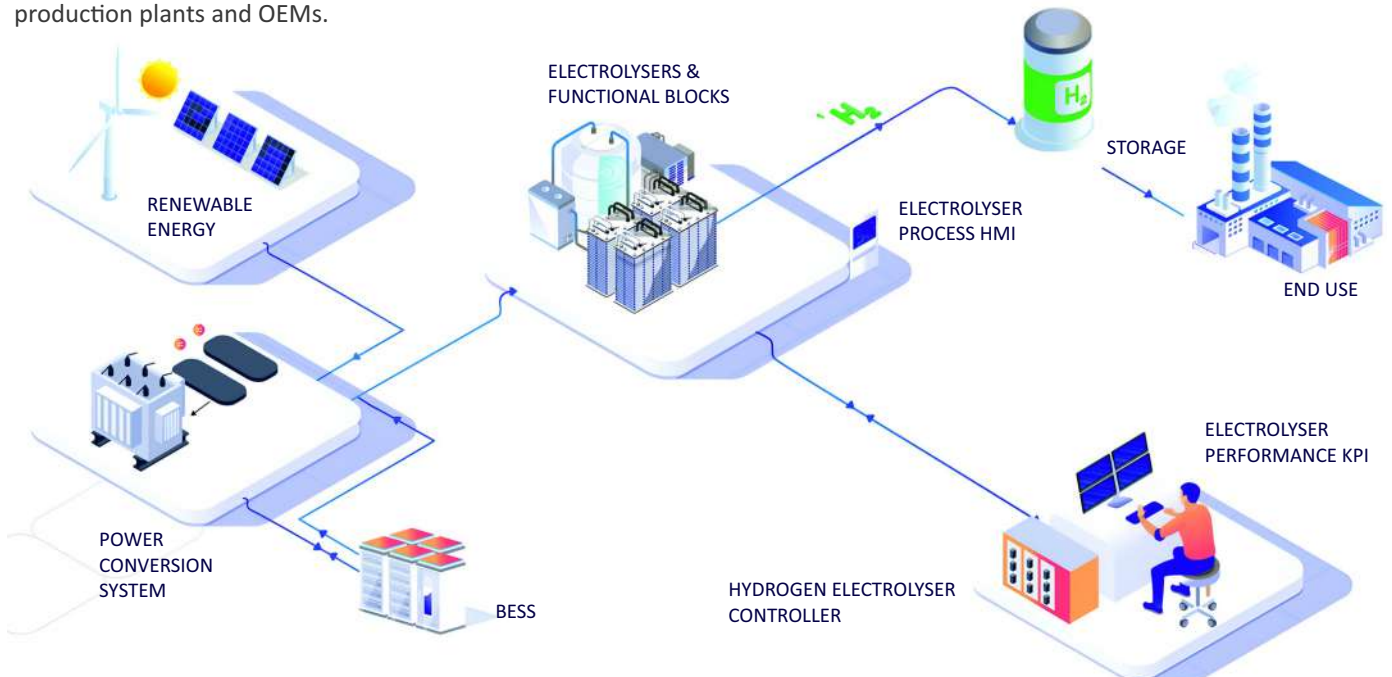
PROCESS CONTROL & SAFETY

Process Control systems offer flexible, cost-effective solutions for small to medium-scale hydrogen production, distribution, and use. From water treatment and electrolyzers to compressors, fueling stations, and hydrogen turbines, our versatile solutions enhance control and efficiency for operations of any size.



HYDROGEN ELECTROLYZER CONTROL SYSTEM OVERVIEW

This solution is compatible with Alkaline, PEM, and AEM electrolyzer controls, making it ideal for small to mid-sized hydrogen production plants and OEMs.





FIELD INSTRUMENTS

Problem: Enhance hydrogen production performance and efficiency, minimize maintenance, all while ensuring the highest safety standards.

Solution: Hydrogen-ready Field Instruments for top performance and integrated leak testing. This strategy boosts uptime, optimizes production, and ensures product quality.



VERSATILIS ADVANCED COMMUNICATION INTERFACE

- Proven in use, hydrogen compatible transmitters for improved reliability and uptime.
- Enhanced safety with factory leak tested, dual seal design and SIL capable transmitters.
- Industry-leading performance maximizes uptime and reduces maintenance
- Versatilis configurator allows remote asset performance monitoring, reducing OPEX and enhancing availability with 30% faster task completion, 80% quicker menu navigation, and basic configurations in under 30 seconds, all from a safe distance.



GAS DETECTORS

Gas leak detectors have advanced to meet green hydrogen needs, offering solutions like Single, Four, and Multi Gas Portable, Transportable, and Fixed Detectors. They enhance safety, reduce costs, and enable quick responses to prevent gas leak incidents.



BW Flex



BW Precision



BW RIGRAT



BW Solo



BW Ultra



FS24X Plus™



Searchzone Sonik™



Sensepoint Flammable



Sensepoint XCD



Sensepoint XCL



Sensepoint XRL



Series 3000



TPPL



XNX



FIRE & SECURITY

FIRE DETECTION & ALARM



- Advanced programming capabilities
- Eliminates false alarms
- Safe operation in hazardous environments
- Redundant processor and power supply at the control panel
- Field loop length up to 3500 meters for extended device connectivity
- SIL2/SIL3, UL/EN-54 certified, hot redundant fire and gas panel

AIR ASPIRATION SYSTEM



- Essential for safety and efficiency in green hydrogen production and distribution.
- Detects hydrogen and other gases quickly for rapid leak response.
- Continuously samples air to maintain a safe environment.
- Integrates with fire detection for instant alerts on leaks or fire risks.
- Ensures optimal air quality to reduce downtime.

PROACTIVE LITHIUM-ION BATTERY MONITORING FOR ENERGY STORAGE SYSTEMS



- Early warning of lithium-ion battery failures and prevention of thermal runaway
- Battery cell failure detection without mechanical or electrical contact to the cells
- Compatible with all lithium-ion battery form factors and chemistries

CABINET & FIRE SUPPRESSION SYSTEM



- Clean agents: FK-5-1-12, FM 200 (HFC 2700), NFPA 2001 compliant.
- No residue; safe for electronics.
- UL listed with heat detection tube.
- Dual valve outlet saves costs for large cabinet protection.
- Designed for electrical enclosures and circuitry.
- Automatic fire detection and suppression.
- No external power or manual intervention required.
- Installs directly inside cabinets near fire sources.
- Compliant with NFPA 2001 & UL 2166 standards.
- UL listed gas suppression systems for 25bar & 42bar.
- Best-in-class UL listed nozzle coverage (13m x 13m).
- Dual manual/electronic electric control head (solenoid valve).
- UL listed flow calculation software.





NEXT-GEN GREEN HYDROGEN VALUE CHAIN

HAZARDOUS & EXPLOSION-PROOF CAMERAS, CCTV & PAVA SYSTEM



- Explosion-proof cameras are ideal for hazardous environments like onshore, offshore, marine, and heavy industries.
- IP cameras provide affordable surveillance for everyday security needs.



- Integrated video solutions improve the safety and security of control rooms and office buildings

PUBLIC ADDRESS & VOICE ALARM (PAVA) SYSTEMS



- Microprocessor base Central Exchange Unit (CEU) + Master Call Station (MCS) available on Digital as well TCP/IP platform.
- PESO & ATEX Certification in Hazardous area devices.

WE'RE HYDR H2 GEN

Founded in 1992, Artee Flow Controls Pvt. Ltd. (AFCPL) is a leader in innovative process solutions, collaborating with industry giant Honeywell to drive exceptional growth. We offer product-based solutions that are green hydrogen-ready, including Grid Injection System & blending, gas metering & control, field instruments, process control & safety, gas detectors, and fire & security systems.

Our team of over 250 skilled professionals is strategically located across India, serving a diverse clientele of more than 5,000 customers. AFCPL is a trusted partner dedicated to innovation and growth, providing comprehensive AMC services to ensure operational excellence from concept to maintenance.

AFCPL's branch offices span various key locations in India, including

Gujarat - Ahmedabad - Surat - Vapi	Maharashtra - Pune - Mumbai	Chhattisgarh - Raipur	Madhya Pradesh - Indore
		Odisha - Bhubaneswar	Uttar Pradesh - Lucknow
Delhi Bengaluru Chennai			



ARTEE FLOW CONTROL PVT. LTD.

32+ Years Experiences	5000+ Satisfied Customers	9+ Industrial Segments Catering	250+ Workforce
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