




DUON SYSTEM Co., Ltd.

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major business	Industrial Gauge/Temperature/Level Transmitter		

DUON System was established on May in 1989. Since then, we had successfully performed for DCS(Distribution Control System) with more than 70 projects. Based on Core projects, DUON focused on developing Smart transmitter device as named AUTROL brand, which is core instruments to measure Differential, Gauge, Absolute, Temperature and Level. With its own technology, Smart pressure, temperature and level device has been launched and DUON participated more projects in the world. Now we have DPT, PT, TT and LT for GWR(Guided Wave Radar) and radar non-contact transmitters. Recently, we had developed SFP's level measurement transmitter with Korea Nuclear Power. so we will have contract to Construction Nuclear Power&Operation Nuclear Power.

Products

 <p>Smart Pressure Transmitter APT3500(Left) APT3700N(Nuclear service)(Right)</p>	Use	Measurement device for Differential, Gauge, absolute&Diff. Type Flow
	Description	High precision: $\pm 0.04\%$ of Span/0.25%(only Nuclear service) Reliable Performance
 <p>Smart Gauge&Absolute Transmitter APT3200</p>	Use	Measurement device for gauge, absolute pressure
	Description	High precision: $\pm 0.075\%$ of Span Reliable Performance
 <p>Smart Level Transmitter ALT6100N</p>	Use	Level Measurement for Spent Fuel Pool's – Contact type
	Description	Radiation: $2 \times 10^6 \text{Gy}$ (Transmitter head, $1 \times 10^2 \text{Gy}$) High precision: 0.25% Remote Cable length: Max. 100M Cable(Probe) Length: Max. 8M It will supply to SAEUL NPP Unit 3, 4(before Shin-gori NPP Unit 5,6)'s SFP(Delivery date: 15th June. 2023)

Technical Capacity

» Technology of Control/design/manufacturing Low powered transmitter

Loop powered, 2 wires, 4~20mA + Hart Protocol

» Processing technology of Sensor for pressure, temperature, level

Processing, Converting, Transformation, Compensation technology of input signal through various sensor

» Manufacturing and Machining technology of differential pressure sensor

Body-separate differential pressure sensor transmitter development technology

Body-separate differential pressure sensor manufacturing and processing technology

» Control/Processing technology of radar signal

Control/Processing technology of RF Front-end signal for 6.3GHz and 26GHz