



**PT. HANANG GEMA INSTRUMENT**  
*Expert in Process Control And Instrumentation*

SINCE 1992

HMI & SCADA

CONTROL SYSTEM

INSTRUMENTATION

IoT & WebView

# COMPANY PROFILE

2020



**Honeywell**

**Sensorex**  
YOUR WATER MEASUREMENTS MATTER

**FLOWLINE**  
LEVEL BEST

**FLAMEC**

**system**  
CONTROLS

**HAWK**

**WebView**  
SEE YOUR SENSORS - EVERYWHERE YOU ARE

[www.hanang-instrument.com](http://www.hanang-instrument.com)

# Why Hanang ?



- 1** COMBINED 120 YEARS of experience in control system – We know what we are doing and we know how to build what YOU want.
- 2** Complete expertise for control system & field instrumentation needs – we will deliver what you want with the best value.
- 3** Global brands with track record and proven technology – Your system will work better and last longer. Giving you lowest cost of ownership.
- 4** One of indonesia's best and most experienced control system integrator – Indonesia's only Diamond level Honeywell Process control channel partner.

## Mission

- To increase the efficiency and quality of Indonesian manufacturing through automation
- To provide solutions, products and services at unbeatable value

## Vision

To be the biggest non- principal Process Control & Instrumentation company in Indonesia.



# Company Introduction

PT Hanang Gema Instrument is celebrating 28 years of excellence in 2020, and we are looking forward to a higher level along with you and your company.

Starting with just 3 employees and a rented room, Hanang has grown to 2 office locations and 1 workshop site. Allowing us to give our customers better quality more consistently.

Throughout the years, we have been known for our strong dedication to deliver quality and affordability on process control and instrumentation solutions to some of Indonesia biggest businesses.

We have also been known to provide reliable and unbeatable service with our experienced technical team as part of our product sales.

We are the Exclusive Sole Agent and Authorized Distributor in Indonesia for the world class brands below :

- Honeywell
- Hawk
- Flomec
- Flowline
- Systec Control
- Sensorex

Our purpose is to build clients' confidence and establish a long term customers relationship that are mutually profitable and successful. Our friendly and experienced team will deliver the solution you needed, GUARANTEED !



Our team, ready to make your systems better

# Experienced System Integrators

Replacement / integration with other manufacturer's control system, e.g. ABB, Siemens, Schneider, Yokogawa, etc

We have been asked numerous times to supply systems to integrate with existing DCS or PLC from other manufacturers. Due our competitive pricing and excellent technical support, many of our customers would like to work with us but worry about compatibility issues. To prove this will not be an issue, we have done product trial where we do basic programming that show we are able to integrate/ replace without encountering compatibility issues.



Modernizing your manual/ semi manual operation plant

We have had years of experience on modernizing manual/ semi manual production lines. Requiring deep learning to replicate your existing process perfectly, and making it an more efficient, profitable, and automated system.



**FASTER PRODUCTION,  
HIGHER EFFICIENCY**



**HIGHER PROFITS**



**IMPROVED SAFETY**



**REDUCE PRODUCTION  
DOWNTIME**

Integrating with other manufacturer's equipments, e.g. motor controller

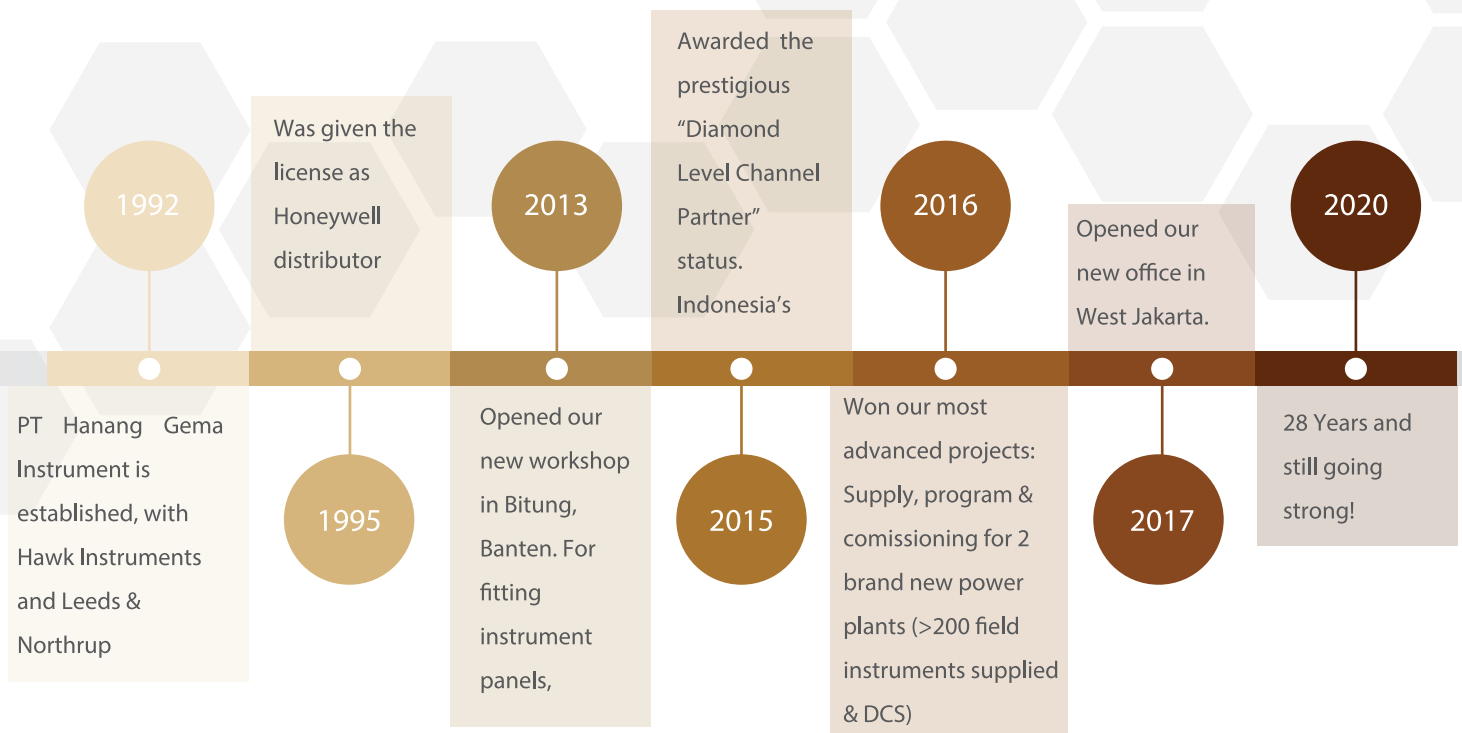
For one petrochemical plant, we were asked to integrate their existing DCS to an obsolete motor controller. Requiring two-layer modbus communication, as well as complex redundancy programming, this level of complexity is a challenge that Hanang accepted .



Programming, testing, hardware installation and comissioning- Hanang can do it all



# Milestones



One of our most power plant project: PLTU Ampana Supply and installation of > 200 instruments + DCS and programming and commissioning



Programming control systems is our expertise, from PLC to PCS to RTU to DCS (pictured)



Our new workshop in Bitung, Banten. For fitting instrument panels, programming and FAT events.



FAT Event at our Bitung workshop

# Trusted Partners

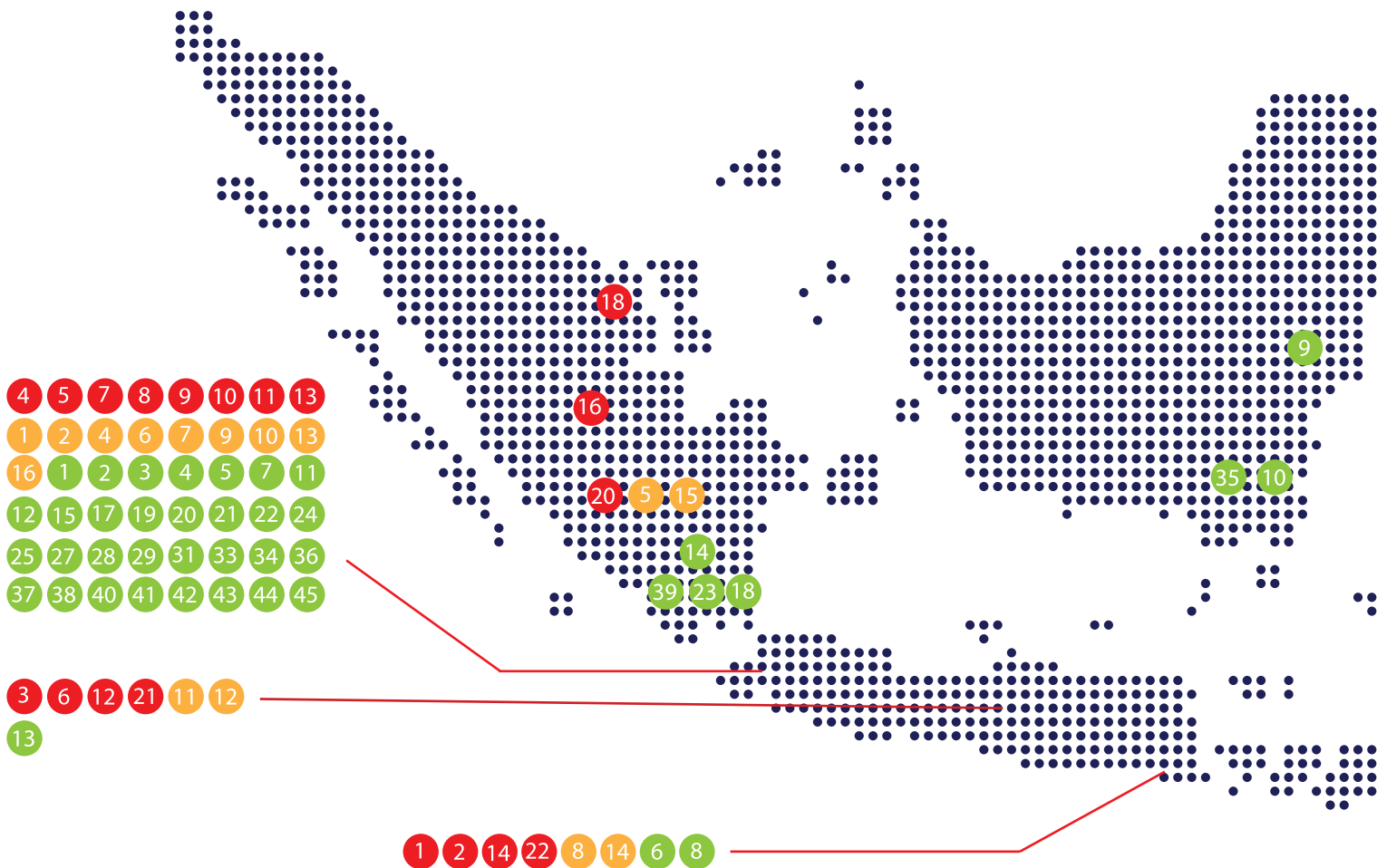


and more...





# Clients from across Indonesia have trusted



## POWER PLANT PROJECTS :

- |                          |                          |
|--------------------------|--------------------------|
| 1 PT. PJB Gresik         | 16 PLTMG Sei Gelam       |
| 2 PT. PJB Paiton         | 17 MPP Jayapura          |
| 3 PT. PJB Indramayu      | 18 PLTU Tembilahan       |
| 4 PT. PJB Muara Karang   | 19 PLTU Ampapa           |
| 5 PT. PJB Muara Tawar    | 20 PLTU Keban Agung      |
| 6 PT. PJB Rembang        | 21 PT. TJB Power Service |
| 7 PT. PJB Cirata         | 22 CNG Gresik            |
| 8 PT. IP Suralaya        | 23 CNG Lombok            |
| 9 PT. IP Labuan          |                          |
| 10 PT. IP Lontar         |                          |
| 11 PT. IP Priok          |                          |
| 12 PT. IP Semarang       |                          |
| 13 PT. IP Pelabuhan Ratu |                          |
| 14 PT. IP Grati          |                          |
| 15 PLTMG Kendari         |                          |

## OIL & GAS, PETROCHEM :

- |                                  |
|----------------------------------|
| 1 PT. Chandra Asri PetroChemical |
| 2 PT. Lotte Titan Chemical       |
| 3 PT. BP Indonesia               |
| 4 PT. BP PetroChemical           |
| 5 PT. Pupuk Sriwidjaja           |
| 6 PT. Polychem Indonesia         |
| 7 PT. Pertamina LOBP Priok       |
| 8 PT. Pertamina PHE WMO          |
| 9 PT. Pertamina EP Tambun        |
| 10 PT. Pertamina Cilamaya        |
| 11 TBBM Rewulu                   |
| 12 TBBM Pengapon                 |
| 13 PT. Shell LOBP Indonesia      |
| 14 CNOOC Husky                   |
| 15 PT. Pertamina Paku Gajah      |
| 16 PT. Pertamina RU VI Balongan  |



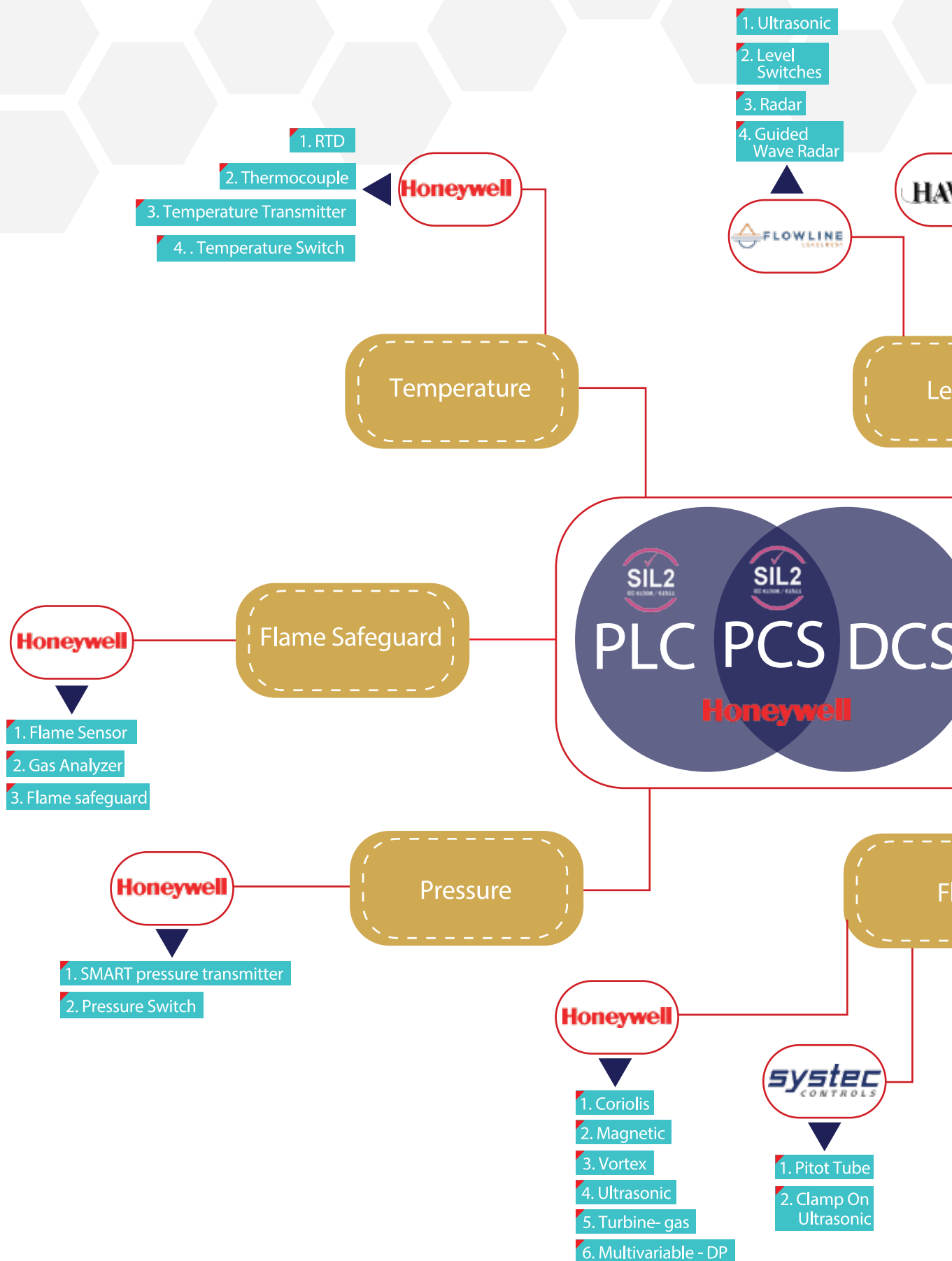
# Hanang for their system

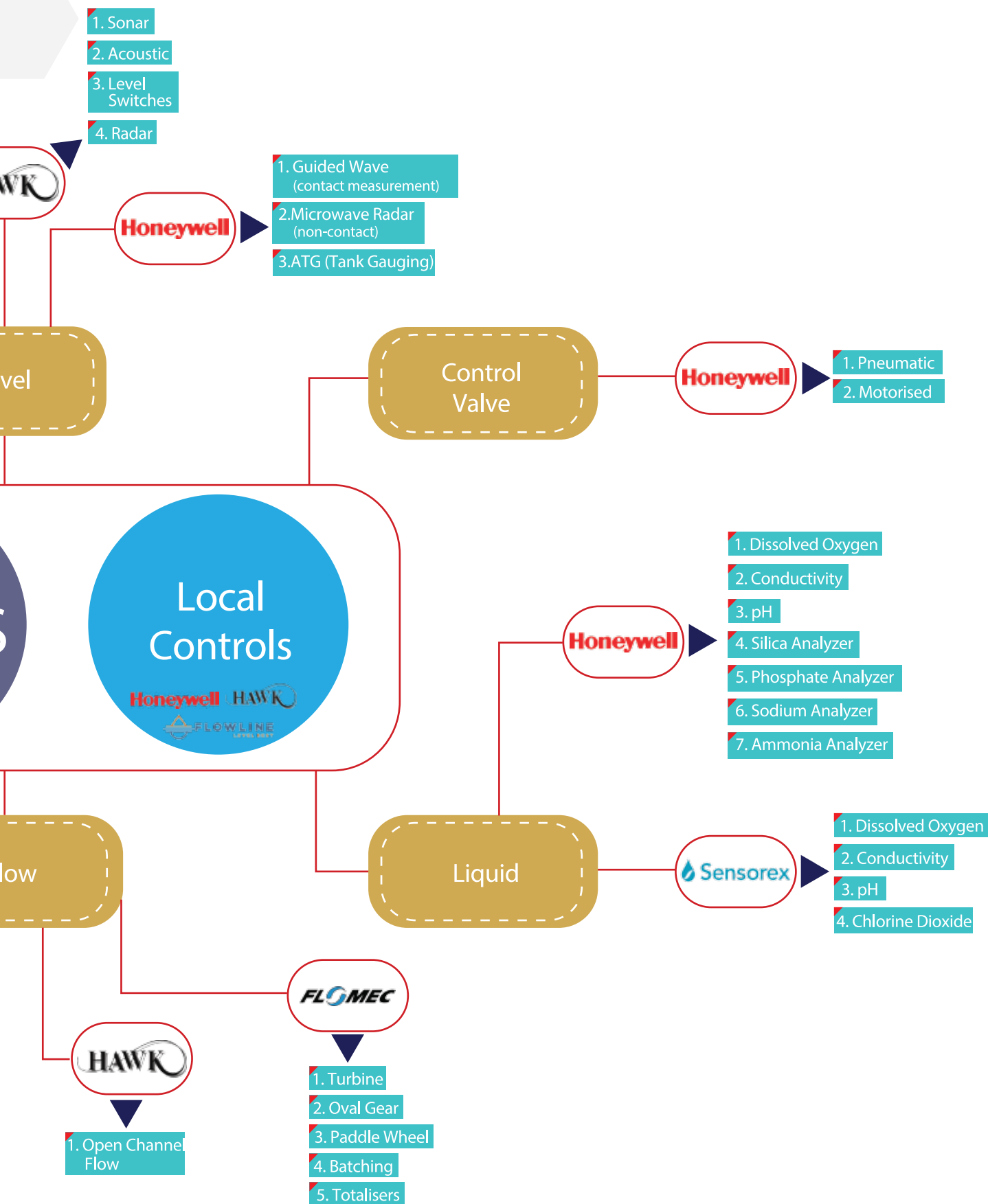


## MANUFACTURING / MINING:

- |                                |                                       |                                    |
|--------------------------------|---------------------------------------|------------------------------------|
| 1 PT. Indesso Aroma            | 16 PT. Freeport Indonesia             | 31 PT. Garuda Maintenance Facility |
| 2 PT. Asia Pacific Fibres Tbk. | 17 PT. Bridgestone Tire Indonesia     | 32 PT. Nusa Halmahera Minerals     |
| 3 PT. Sulfindo Adiusaha        | 18 PT. Great Giant Pineapple          | 33 PT. Biporin Agung               |
| 4 PT. Hankook Tire Indonesia   | 19 PT. Muliaglass                     | 34 PT. Tirta Alam Segar            |
| 5 PT. Indolakto                | 20 PT. Tirta Kencana Cahaya Mandiri   | 35 PT. Samator Gas                 |
| 6 PT. Gudang Garam Tbk         | 21 PT. Goodyear Indonesia Tbk         | 36 PT. Coca Cola Amatil            |
| 7 PT. Holcim                   | 22 PT. Indocement Tungal Perkasa      | 37 PT. Aspek Kumbong               |
| 8 PT. Bhirawa Steel            | 23 PT. Medco Ethanol Lampung          | 38 Badan Tenaga Nuklir Nasional    |
| 9 PT. Kaltim Supacoal          | 24 PT. Finusol Prima Farma            | 39 PT. Fermentech Indonesia        |
| 10 PT. Titis Sampurna          | 25 PT. Kangar Consolidated Industries | 40 PT. Heinz ABC Indonesia         |
| 11 PT. Balmer Lawrie Indonesia | 26 PT. Penta Prima Hutamandiri        | 41 PT. SCG Indonesia               |
| 12 PT. Dover Chemical          | 27 PT. Maxitherm Boiler Indonesia     | 42 PT. Gajah Tunggal               |
| 13 PT. PG Mojo                 | 28 PT. Sumber Kita Indah              | 43 PT. Essar Dhananjaya            |
| 14 PT. Gunung Madu Plantation  | 29 PT. Sayap Mas Utama                | 44 PT. Essence Indonesia           |
| 15 PT. Angels Product          | 30 PT. Natarang Mining                | 45 PT. Indo Meiji                  |

# Complete Solution For Field Instrument And Control System







Honeywell is one of the world's biggest brands for process control & instrumentation. With a wide range of products, industry-leading technologies and top reliability - we can reduce your total cost of ownership and improves

Hanang has installed thousands of field instrument as well as control systems, ranging from PLCs with tens of I/O points to DCS with thousands of points. We have the experience and knowledge to help your process become more efficient and for your business to be more profitable.



**Honeywell**  
Process Instrumentation Company  
In The World



**hanang**  
Honeywell Channel Partner  
In ASEAN Region



**hanang**  
Diamond Level Channel Partner  
Value, reliability and experience

## ► Control System



**Control Edge UOC**  
Most competitive DCS for batching



**DCS Modules - Experion LX**  
State of the art & Industry flagship range



**SIL2 APPROVED CONTROLLERS**  
Hybrid controller for critical operations



**PCS - HC900 series**  
DCS features for a fraction of the price



**RTU Control Edge**  
Powerful, modular and scalable controller



**Control Edge PLC**  
The only PLC in the world with Universal IO module and industry leading cyber security features



**PLC (Master Logic Series)**  
Highly reliable controllers. More than 200 install base in Indonesia`



**SCADA & Touch Screen HMI**  
Combining industry leading features with great UI, custom made to suit your needs

## Field Instrument



### Flowmeter

Measurement of liquid and gas - Vortex, Magnetic and Coriolis



### Control Valves

High accuracy control valves for flow control, including globe, butterfly, ball and V-Notch valves



### Pressure Transmitter

Measurement of pressure



### Guided Wave Radar Level

Measurement of level. Very high accuracy



### Temperature Transmitter

High accuracy temperature transmitter



### Controllers

Easy to program controllers for basic control



### Wireless Transmitter

Communication without wires



### Gas Analyzer

High accuracy gas analyzer



### Recorder (Paper & Paperless)

Keep track of your process values



### Liquid Analysis

pH, Conductivity, Dissolved Oxygen



### Actuators

Control valve applications



### CCTV & Access Control

Surveillance and security solutions



### Flame Scanner (U2 & LG series)

For accurate flame sensing in burners



### Universal Digital Analyzer

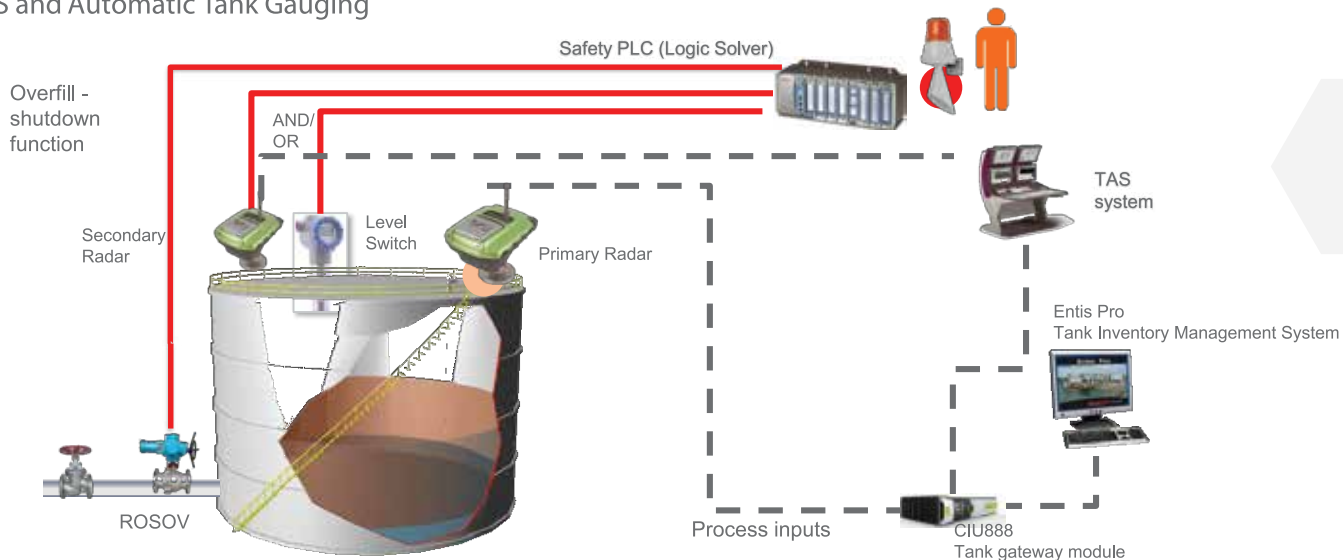
For liquid analysis, Silica, Sodium and Phosphate application

Honeywell is the world leader in terminal automation with install base of over 75,000 tanks worldwide.

Terminal operators such as Vopak, Shell, Pertamina and many others have chosen Honeywell due to best combination of value, accuracy and reliability. Providing your operation with unbeatable cost to performance ratio.

## 1. Independent Process, Safety Instruments, Terminal Automation System (TAS)

### Basic AOPS and Automatic Tank Gauging



- Automatic Overfill Prevention System (AOPS): Physically & electronically separate, Independent from tank gauging system.
- Diverse measurement technology on tank top for AOPS and ATG (Radar / Servo / Hybrid)
- Best in market performance: Radar accuracy upto 0.4mm

## 2. Automatic batching, blending, injection and truck loading

Honeywell has the complete solution for your batching, blending (B10/ B20/ B30 biofuel and other blends) as well as state of the art truck loading. All solutions compliant with relevant regulations and standards such as OIML, WML, ISO

Honeywell's state of the art Fusion4 family of controllers - For best in class accuracy in batching/ blending/ injection applications.





## Gas Solution



**Gas Chromatograph**  
Identify the mixture in your gas



**Gas Transmission Metering**  
World class gas ultrasonic flow meter



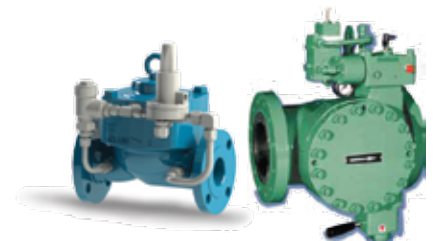
**Gas Analyzer**  
Economic option for gas identification



**Flow Computer**  
Combined with our flowmeter to give you accurate reading



**Gas Distribution Metering**  
A wide range of flowmeters for your needs including turbine, rotary and volume corrector



**Gas Regulation & Skid**  
Large selection of pressure regulators, automatic safety valves, and regulation skids for your applications

## Flomec Industries



Flomec Industries is an ISO9001:2008 quality certified company specializing in the design and manufacture of positive displacement flow meters for more than 15 years

Accurate flow measurements at a competitive price- Hanang can help you!



**Utility Flow Meter**  
High accuracy turbine and oval gear meters for liquid transfer measurement



**Dual Pulse Paddlewheel**  
Innovative & low cost design for clean liquid flow measurement



**Ecobatch System**  
Compact & integrated batching system



**Diesel Flow Meter**  
Highly accurate gear flowmeter for Diesel- In electronic or mechanical counters



**Temperature compen. Flow Meter**  
Innovative & cost effective solution for high accuracy flow measurement



**Magnetic Flow Meter**  
Low cost, reliable and robust flow meter for clean liquid applications

# Hawk Measurement



Hawk is a world leader in level, positioning and flow measurement, providing cutting edge equipment to the global industrial market. Hawk has 30 years of experience and provides industry-leading technology and cost effective solutions.

The company's production factory and head office is located in Melbourne, Australia. The facility provides efficient production as well as research and development activities. The company designs and manufactures its own products and has developed an efficient production process to minimize its environmental impacts.

Hawk and Hanang will solve your level problems!



Born From A Mining Industry  
Need For Reliable Heavy Duty  
Field Instruments



25 years of partnership with Hawk



Specialised Field Instrumentation  
Company In Australia Since 1988



**Sultan Level**  
Measurement of level. High



**Magnetic Level Gauge**  
For visual level indication; Level switch and transmitter can be added



**Guided Wave Radar**  
SIL2/3 and capable of interface level detection



**Senator Radar Range**  
Latest radar technology to cover your difficult process requirements



**Gladiator Microwave Switch**  
Non-contact level switch



**Level Switch**  
Various level switch technologies, including vibration, admittance and

Sensorex uses the latest innovations in electrode technology. Designed and manufactured in USA.

Established in 1972, Sensorex has always been focused on water quality monitoring products. Now it has established itself as a leader in the industry, with yearly production of over 450,000 sensors and global sales spanning 50 countries. Sensorex & Hanang is the key for your liquid sensing process needs!



**TCS3000 Toroidal Conductivity Sensor**  
Designed to resist coatings and fouling



**TX100 pH/ mV Loop Powered Transmitter**  
Loop-powered 4-20mA transmitter with a wide range of useful features



**Dissolved Oxygen Sensor**  
For Aquaculture and wastewater industries



**TX3000 pH/ mV Controller- 4 Wire**  
4-20 mA output and controller in one



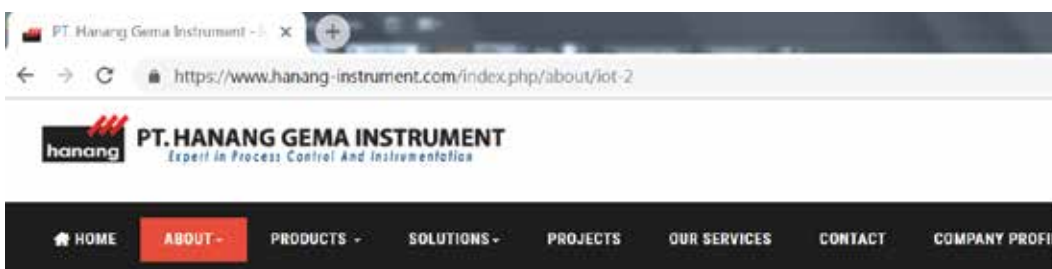
**Chlorine Dioxide Sensor**  
Chlorine dioxide measurement



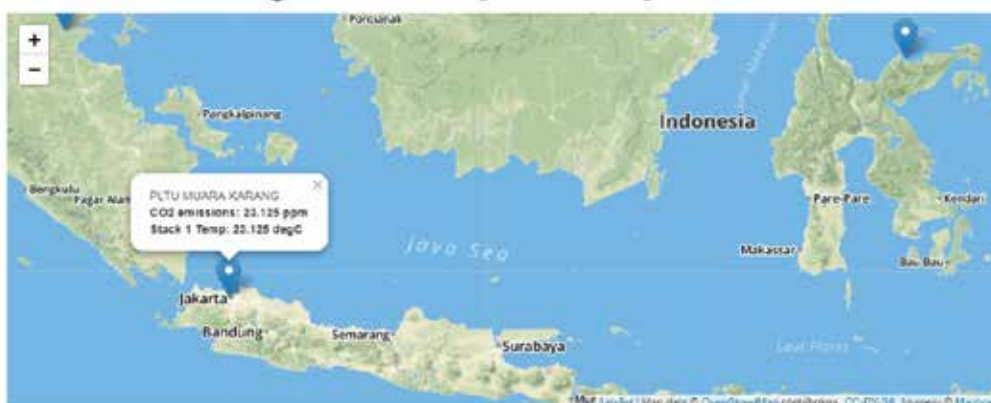
**pH Sensor**  
General purpose or heavy duty

## Hanang WebView

All in one solution to view your data from via internet.



### CEMS Monitoring - PJB Sites [Indonesia]



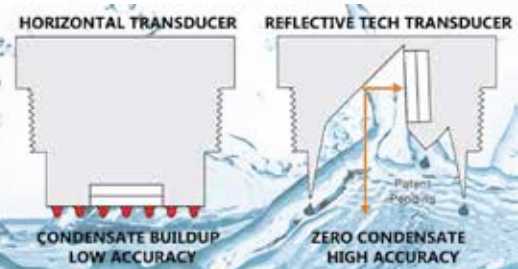


Flowline has 25 years of proven success in level measurement and control applications. With over 200,000 instruments sold in 2016, and global distribution spanning 30 countries, Flowline is a trusted brand in level measurement.

Flowline enables industrial manufacturers, chemical distributors, municipalities and energy or food providers to safely and efficiently manage their contained liquid and solid assets. Flowline offers very competitive pricing combined with good quality products. Flowline & Hanang is sure to solve your level needs!

## Industry Leading Innovation Patented by Flowline Echotouch - with Reflective Technology

\*Reduces effects of condensation on ultrasonic level sensing. Improves accuracy by upto 50%



**Radar Level Transmitter**

Low cost, Non-contact level transmitter



**Ultrasonic Level Transmitter**

Competitively priced, Good quality ultrasonic level sensor, Available with Reflective Tech



**Level Switch**

Wide range of technologies for accurate level switch needs

# Systec Controls GmbH



Systec Controls is an innovative, Germany-based company on the field of flow-measurement and environmental measuring methods.

The most striking example of Systec's technological prowess is the development of the deltaflow integrating-pitot tube. Its special profile has introduced a new dimension of DP-measurement.

Systec and Hanang will solve your flow problems!



**Deltaflow Averaging Pitot Tube**

Highly accurate flow instrument for gas applications



**Deltaflow C Pitot Tube**

Economical gas flow instrumentation for your process needs



**Flowcom**

Flow computer to go with pitot tube



Your business is waiting for you.  
Better efficiency  
Higher profitability

Choose the right partner



Go Higher



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