



PT. HANANG GEMA INSTRUMENT
Expert in Process Control And Instrumentation

SINCE 1992

HMI & SCADA

CONTROL SYSTEM

INSTRUMENTATION

COMPANY PROFILE

2017



Honeywell

Sensorex
YOUR WATER MEASUREMENTS MATTER

FLOWLINE
LEVEL BEST

TRIMEC

system
CONTROLS

HAWK

Williamson
Innovators in Noncontact Temperature Measurement

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 **25 years** of excellence in 2017, 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
- Trimec
- Flowline
- Systec Control
- Sensorex
- Williamson

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

Our Services

1. Highly experienced programmers

- Programming PLC / Hybrid controller / DCS - including redundancy & safety system
- Converting program from other manufacturer (Allen-Bradley / ABB / Yokogawa / Siemens , etc)



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

2. Experienced system integrator

- Combining software and hardware to solve your needs
- Proper commissioning report to ensure smooth transition
- Experience means lower total cost, shorter installation period and more reliable system

3. In-house manufacturing of instrumentation panels

- We do the fittings for the panels ourselves in our workshop. Meaning your PLC/ Hybrid controller/ DCS hardware as well as wiring to input/ output modules are done well and neatly
- Wiring diagrams and I/O lists are always included.

4. System consultation

- We can examine your current system and provide detailed analysis on how it can be improved, and what benefits the improvements will bring to your business.

Milestones

1992

PT Hanang Gema Instrument is established, with Hawk Instruments and Leeds & Northrup

Was given the license as Honeywell distributor

2013

Opened our new workshop in Bitung, Banten. For fitting instrument panels,

Awarded the prestigious "Diamond Level Channel Partner" status. Indonesia's

2015

Won our most advanced projects: Supply, program & commissioning for 2 brand new power plants (>200 field instruments supplied & DCS)

2016

Opened our new office in West Jakarta.

2017

2017

25 Years and still going strong!



One of our most power plant project: PLTU Ampaña 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

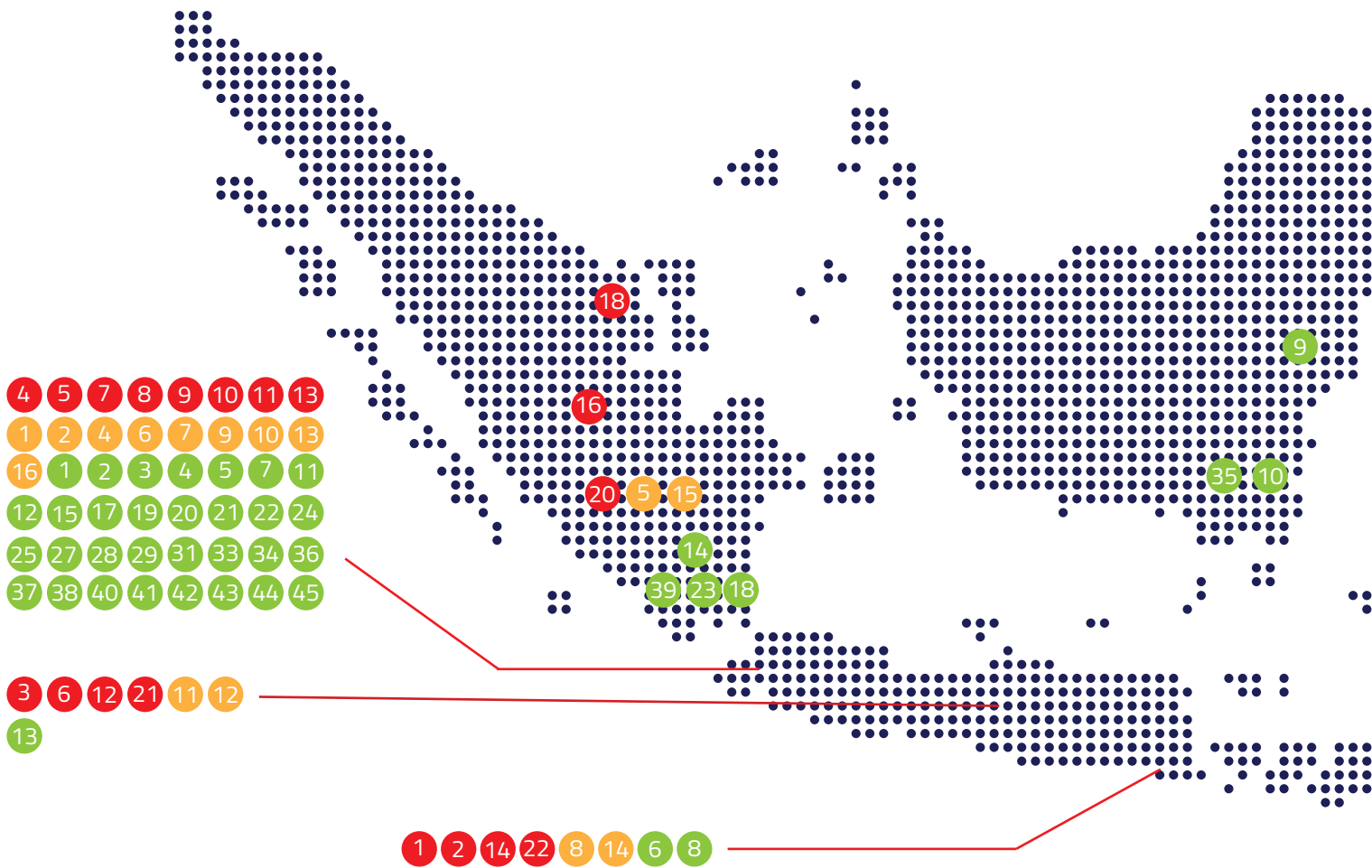
Trusted Partners



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 Ampang |
| 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 |

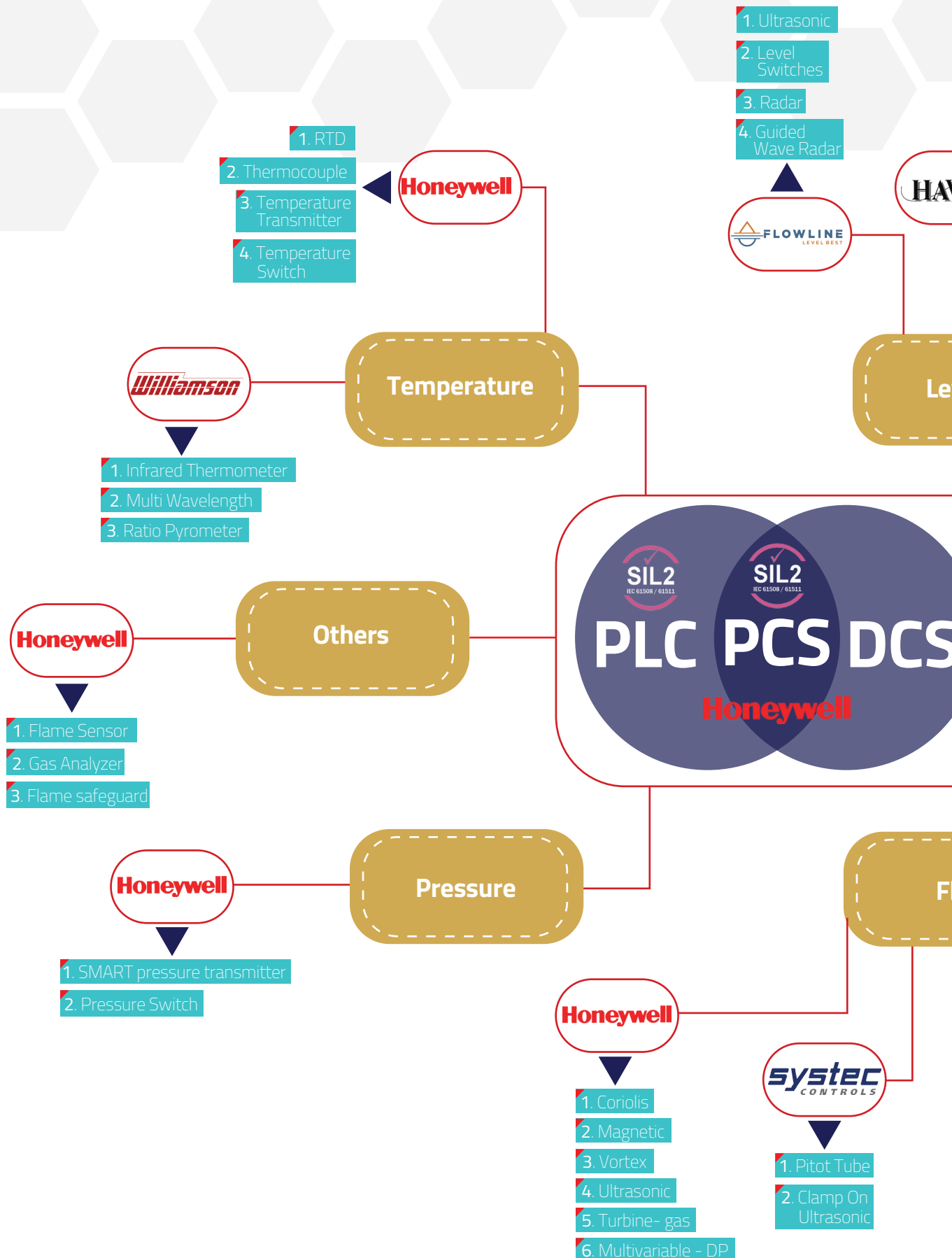
Hanang for their system

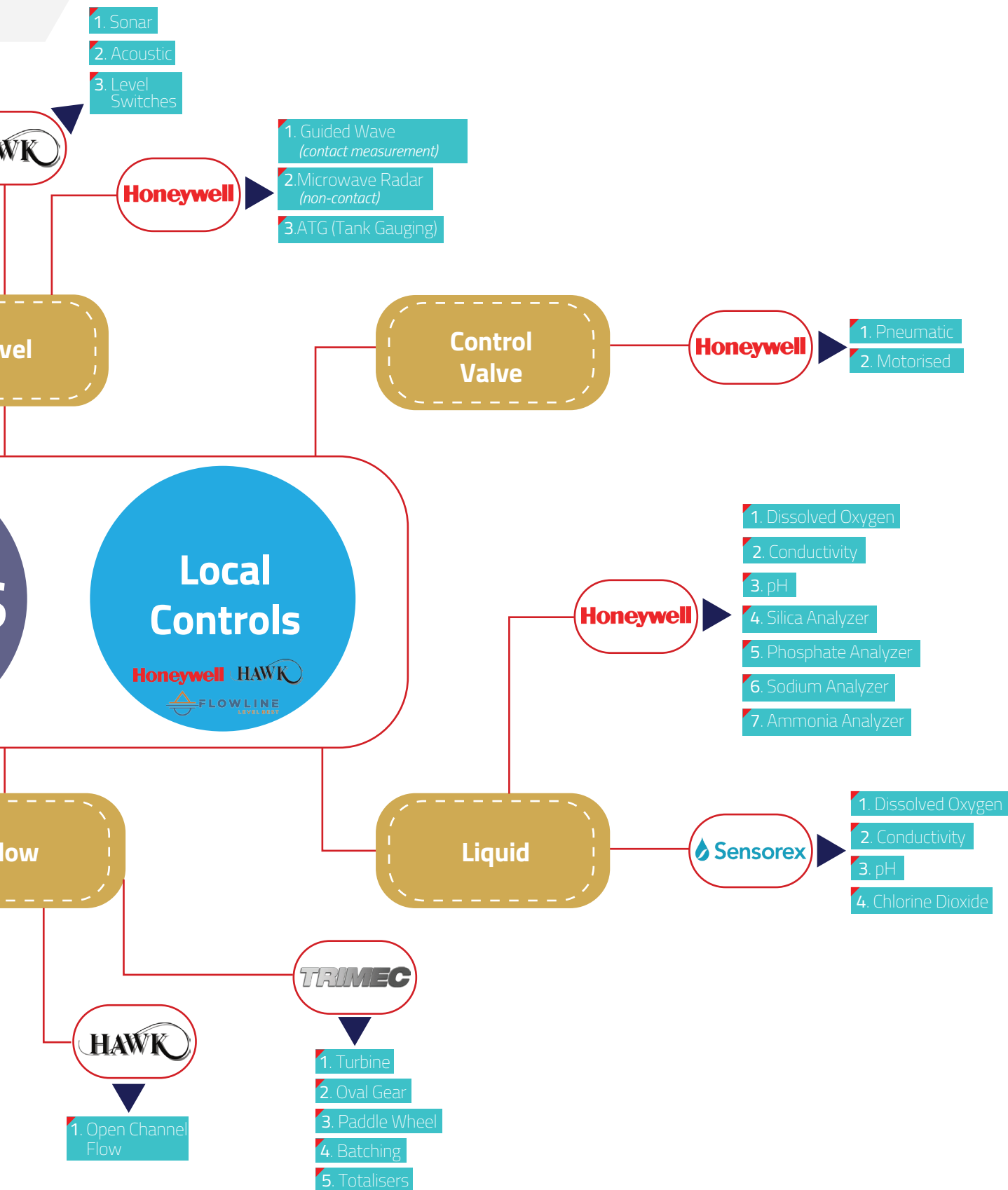


MANUFACTURING / MINING:

- | | | |
|--------------------------------|---------------------------------------|------------------------------------|
| 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 Tunggal 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

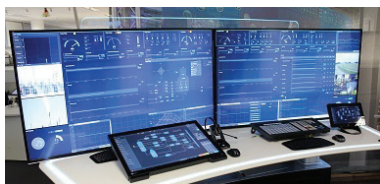


hanang
Honeywell Channel Partner
In ASEAN Region



hanang
Diamond Level Channel Partner
Value, reliability and experience

► Control System



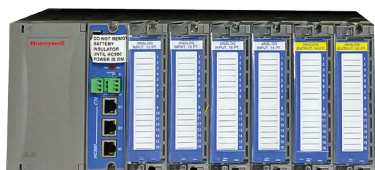
Distributed Control System (DCS)
Our most advanced control system ever



DCS Modules
State of the art & Industry flagship range



PCS & PLC - SIL2 APPROVED
Hybrid controller for safety critical operations



PCS
DCS features for a fraction of the price



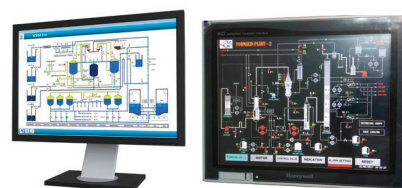
RTU
Powerful, modular and scalable controller



PLC Control Edge
Most advanced PLC yet



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



Pressure Transmitter

Measurement of pressure



Flowmeter

Measurement of liquid and gas



Temperature Transmitter

High accuracy temperature transmitter



Conductivity

High accuracy conductivity sensor



Recorder Paperless

Keep track of your process values



Transmitter Tools

For configuring your transmitters on site



Dissolved Oxygen Sensor

Measure the oxygen level of your liquid



Gas Analyzer

High accuracy gas analyzer



Controllers

Easy to program controllers for basic control



Radar Level

Measurement of level



Guided Wave Radar Level

Measurement of level. Very high accuracy



U2 Flame Scanner

For accurate flame sensing in burners



Control Valves

High accuracy control valves for flow control



Recorder Circular

Hard copy record of your process values



pH/ ORP Sensor

Measure the pH of your liquid



Wireless Transmitter

Communication without wires



Actuators

Control valve applications



Universal Digital Analyzer

For pH/ conductivity/ DO 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



HAWK
Specialised Field Instrumentation
Company In Australia **Since 1988**

Products Range:



Sultan Flow

For open channel flow



Sultan Positioning

Innovative collision avoidance instrument
in ports and mining industry



Vibration Switch

Accurate level switch for solids



Rotation Switch

Reliable instrumentation for solid level



Orca Sonar

For bed level detection.
Highly innovative solution for sewage



Gladiator Microwave Switch

Non-contact level switch



Fibre Optic System

World-first gas pipe leak detection



Sultan Level

Measurement of level. High accuracy

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

The most striking example of Systemec's technological prowess is the development of the deltaflow integrating-pitot tube. Its special profile has introduced a new dimension of DP-measurement. **Systemec and Hanang will solve your flow problems!**

Products Range:



Deltaflow

Highly accurate flow instrument for gas applications



Flowcom

Flow computer to go with pitot tube



Deltawave

Precise non-penetrating flowmeter



Portable DeltaWave

Portable accurate non-penetrating flowmeter



Deltaflow C

Economical gas flow instrumentation for your process needs



DeltaFit

Deltafit secures optimum oxygen input

Trimec Industries is an ISO9001:2008 quality certified company specializing in the design and manufacture.

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

Products Range:



Utility Flow Meter

Specifically engineered for liquid transfer applications in industrial & mining sites



Dual Pulse Paddlewheel

Innovative design for flow measurement



Ecobatch System

Compact & integrated batching solution



Batch Controller

Highly accurate gear flowmeter for your batching



TurboPulse

Precise, reliable and robust units for the volumetric flow



Multipulse Gear

Used for liquid flowrate measurement

Flowline has 25 years of proven success in level measurement and control applications. We understand your requirements, offer a breadth of robust measurement technologies, and readily share our application expertise

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!**



INSTRUMENTS SOLD
IN 2016

**76
COUNTRIES**

GLOBAL DISTRIBUTION -
USED BY THOUSANDS OF
COMPANIES

**>30
COMPANIES**

INSTALL BASE IN
INDONESIA

Products Range:



Echopod Series

Provides non-contact level measurement for tanks with height less than 2.5m



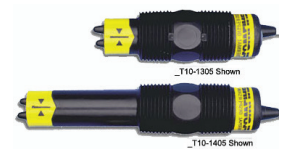
Level Transmitter

Wide range of accurate level detection, for small to medium tanks. In easy or difficult environments



Level Switch

Wide range of technologies for accurate level switch needs



Flow Switch

Accurate flow switches from Flowline



Display

A variety HMI for your level equipments



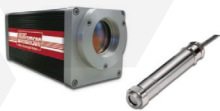
Controllers

Provides display + relay output

Williamson is dedicated to providing unique and creative solutions for industrial noncontact temperature measurement applications.

Offering a full line of infrared pyrometers that use state-of-the-art technology to provide superior accuracy, reliability, and repeatability. **Williamson and Hanang is your partner in industrial non-contact temperature measurement!**

Products Range:



Single Wavelength Silver Series C/ U

The Silver Series of compact industrial infrared pyrometers



Dual Wavelength Pro Series 80/ 90

Pro 80/90 Pyrometers automatically compensate for emissivity variations



Single Wavelength Gold Series 20/ 30

The Gold Series is a complete line of single wavelength infrared pyrometers



Multi Wavelength - Pro Series 100/ 200

Industry-leading signal dilution capability eliminates improves accuracy in hostile environments



Single Wavelength Pro Series 40/ 50

The PRO 40/50 Series offers the latest technology

Sensorex 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!**

Products Range:



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 Transmitter - 4 Wire

Power and control with a wide range



Chlorine Dioxide Sensor

Chlorine dioxide measurement



Conductivity Sensor

Designed for sanitary flange installations



PT. HANANG GEMA INSTRUMENT

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www.hanang-instrument.com