





VISION

To become a professional and trusted well service company in supporting oil and gas drilling activities in a superior and sustainable manner, through the implementation of the highest standards in professionalism, occupational safety, and technological innovation.

M.G.M 14000KG
TARE MASS 14000KG
PAYLOAD 0KG

WIDTH: 2500mm HEIGHT: 2630mm

MISSION

- Provide safe, efficient, and high-quality oil and gas drilling maintenance services.
- Make occupational safety and regulatory compliance an integral part of the company culture.
- Sustainably develop human resource competencies to support operational excellence.
- Build mutually beneficial partnership strategies to drive business growth.
- Encourage innovation in processes and services to enhance the company's competitiveness in the energy industry.

OUR CORE VALUES

- Integrity We uphold honesty and ethical business practices.
- Innovation Continuously evolving with the latest technological advancements.
- Safety Prioritizing the well-being of our team and clients.
- Excellence Committed to delivering superior quality in all operations.
- Sustainability Focused on environmentally friendly and responsible solutions.











DNV 2.7-1 & 2.7-2 Standard Units & Infrastructure

All our units meet DNV (Det Norske Veritas) standards from Norway, ensuring that each unit complies with global safety and security standards both onshore and offshore.

Advantages:

- Structure and materials designed for marine conditions and highrisk areas with complete certification (WPS, PQR, Welder, etc.).
- Pressurized & safe ventilation system Maintains pressure and air quality inside the unit, protecting against hazardous gases (Potential H2S Gas).
- Designed according to DNV 2.7-2 standards for safe and stable operations.
- Comprehensive safety systems HVAC, Fire suppression, gas detection within the unit, ESD.



GAS MONITORING AND DRILLING

PT. MUSTIKA PETROTECH INDONESIA

We use Gas Chromatograph technology with CMS 4.0 system, supporting WITS level 0 and integration with DAQ (Data Acquisition System).

Functions:

- · Real-time gas monitoring for early hazard detection
- · Fast & secure data transmission
- · Accurate gas analysis during drilling operations

SK-3Q04 FID Chromatograph

- Total Gas measured continuously
- Measurement cycle C1-C5: 30s/90s (Option with one button and back flushing system)
- Separation ratio of Methane and Ethane concentration, 100:1 (10% C1: 01%c2), achieved perfectly
- Separation degree not less than 0.95
- Measurement:
 - o C1-C5: 5ppm-100%,
 - Total Gas: 10ppm-100%.



edded Intelligent Platform

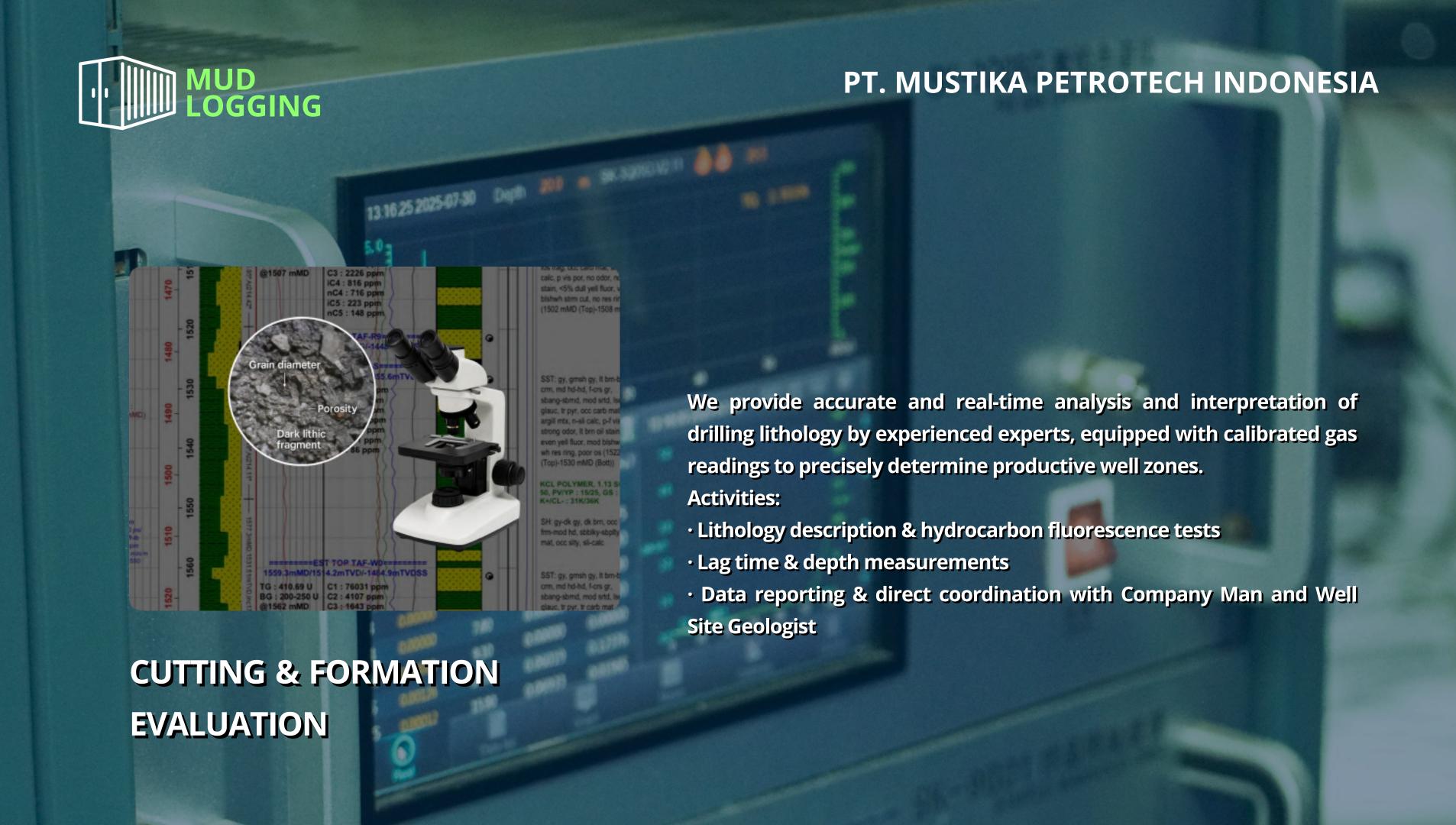
PT. MUSTIKA PETROTECH INDONESIA



IPC-710

GAS READING SYSTEM

ADIANTECH





GEOLOGICAL SUPPORT EQUIPMENT



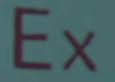
1. SK-2T05 Carbonate Analyzer: Calorimetry used to assist in determining lithology, especially the content of Calcite (CaCO3) and Dolomite (CaMg(CO3)2).



2. SK-2N01G Shale Density Meter: Shale Density is equipment used to measure the specific gravity of drilling rock samples, especially the specific gravity of shale. By measuring the density of shale rock, changes in pressure of the drilled layers can be detected and the possibility of formations under abnormal pressure can be predicted. Abnormal pore pressure in formations is very dangerous for oil wells and can cause well kicks, well blowouts, well loss, diameter shrinkage of the borehole, stuck pipes, and so on.



GEOLOGICAL SUPPORT EQUIPMENT





3. X-Ray Diffraction (XRD) and X-Ray Fluorescence (XRF): These are newly introduced and continuously developing geochemical mudlogging techniques in recent years. Based on the principles of X-ray diffraction and X-ray fluorescence spectrometry, and using drill cuttings and core samples as analysis objects, this device can measure up to 30 chemical elements, from magnesium (atomic number 12) to uranium (atomic number 92), and determine the mineralogical composition of rocks. This methodology not only allows for the identification of lithology types that are difficult to recognize with conventional logging methods for various reasons but can also be applied for petrophysical interpretation, stratigraphic division, formation boundary determination, and horizon correlation, evaluation of shale brittleness in shale gas/oil reservoirs, as well as assisting in geosteering activities as an additional approach. In fact, this method also has the potential to be used as an indicator of sedimentary environmental conditions and sedimentary facies research, although its application is still in the development and exploration stage.



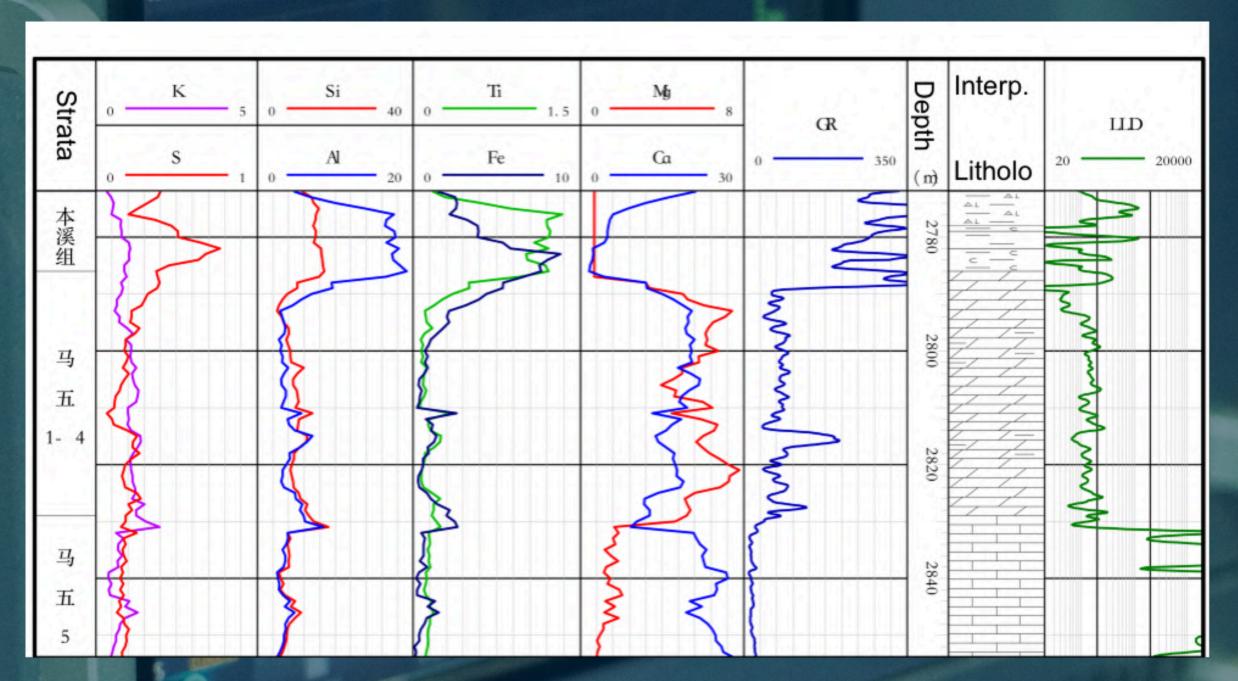
USED







LITHOLOGICAL INTERPRETATION LIMESTONE / DOLOMITE

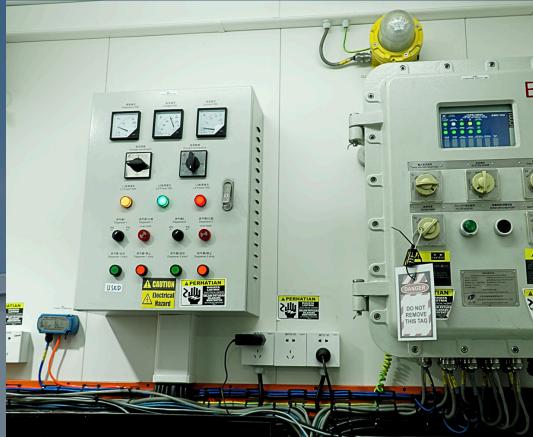


Mud Logging Unit











MUSTIK

Mell Service Well Service Unit









INSTRUMENTS AND EQUIPMENT

Mud Logging Unit

Depth Sensor



Sensor Type: Drawworks Encoder,

Principle Of Operation: Encoder counts on turns of

Drawwork Drum,

Mounting: Pipe fittings thread in line with drum clutch

quick release.

Accuracy: 8 count or 20 count / Revolution available,

Operating: Temperature -15°F to 160°F (-26°C to 71°C),

Humidity: 99% RH without condensation,

Signal Output: Logic low and high, 0 and 5 VDC

Pump Stroke Counter



Sensor Type: Proximity switch, Range: 0 - 400 SPM, Accuracy / Resolution: 1 SPM,

Operating Temperature Range: -40F to +167F, -40C to

Operating Humidity Range: 15-100% RH non-condensing,

Outputs: Linear 4-20 mA DC, Input Voltage: 11.5 - 28 VDC,

Power Consumption: <2 watts @ 24 VDC, Degree of protection: IEC 60529 IP67 (Pre-wired), Models: JEM standard IP67g (water proof, oil-proof),

Quantity: 4 (Fourth)

Hook Load/WOB Sensor



Sensor Type: Pressure Transmitter, Range: 0 - 750 psi / 0 - 1200 psi,

Accuracy / Resolution: 0.5 % / 0.1 % of full scale, Operating TemperatureRange: -40F to +167F, -40C to

+75C,

Operating HumidityRange: 15-100% RH

non-condensing,

Outputs: Linear 4-20 mA DC, Input Voltage: 11.5 - 28 VDC,

Power Consumption: <2 watts @ 24 VDC,

Electrical Classification: FM Explosion: Proof Class I, II,

III, Division I, II, Groups A, B, C, D, E, F, G

Rotary Table Speed Sensor



Sensor Type: Proximity switch, Range: 0 - 500 RPM, Accuracy / Resolution: 1 RPM,

Operating Temperature Range: -40F to +167F, -40C to

Operating Humidity Range: 15-100% RH non-condensing,

Outputs: Linear 4-20 mA DC, Input Voltage: 11.5 - 28 VDC,

Power Consumption: <2 watts @ 24 VDC, Degree of protection: IEC 60529 IP67 (Pre-wired), Models: JEM standard IP67g (water proof,oil-proof)

Pit Level Sensor



Model: Sonic,

Sensor Type: Potentiometer, Range: 0 - 2.8 m,

Sensitivity: ±1 %,

Operating Temperature Range: -40°F to +167°F, -40°C to

Operating Humidity Range: 15-100% RH

non-condensing. Input Voltage: 24 VDC,

Power Consumption: 25 mA max,

Quantity: 4 (Fourth)

Choke Pressure Sensor



Sensor Type: Pressure Transmitter,

Range: 0 - 10000 psi,

Accuracy / Resolution: 0.5 % / 0.1 % of full scale, Operating TemperatureRange: -40F to +167F, -40C to

Operating HumidityRange: 15-100% RH

non-condensing,

Outputs: Linear 4-20 mA DC, Input Voltage: 11.5 - 28 VDC,

Power Consumption: <2 watts @ 24 VDC,

Electrical Classification: FM Explosion: roof Class I, II, III,

Division I, II, Groups A, B, C, D, E, F, G

Mud Flow Out Sensor



Dimensions: Height 12in (30cm) Depth 12in (30cm)

Width 6in (15cm),

Mounting: Saddle on Flow Line,

Principle Of Operation: Paddle senses level of fluid,

proximity measurement, Accuracy: ±1% full scale, Repeatability: ±1%,

Operating Temperature: -40°F to +260°F (-40°C to

+126°C),

Oprating Humidity: 95% RH without condensation,

Signal Output: 1 – 10VDC

Mud Weight Sensor



Sensor Type: Differential PressureTransmitter, Range: 6.67 - 20 PPG (0.8 - 2.4 SG), Accuracy / Resolution: ±0.01 SG / 0.03 SG, Operating Temperature Range: 10C to +80C,

Outputs: Linear 4-20 mA DC, Input Voltage: 11.5 - 28 VDC, Power Consumption: 17 mA max,

Degree of protection: IEC 60529 IP67 (Pre-wired),

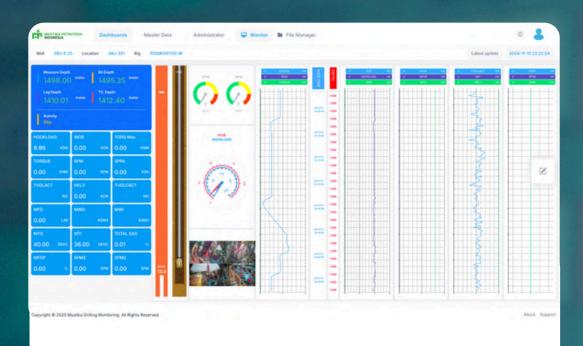
Models: JEM standard IP67g (water proof, oil-proof)





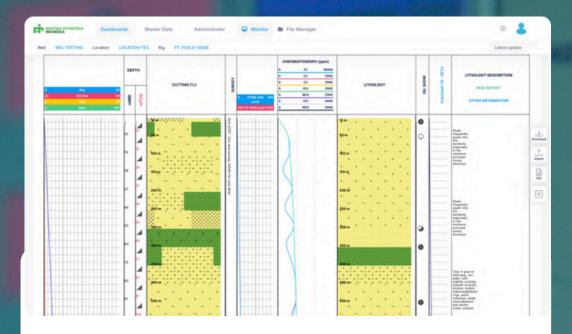


RTO's Featured Features



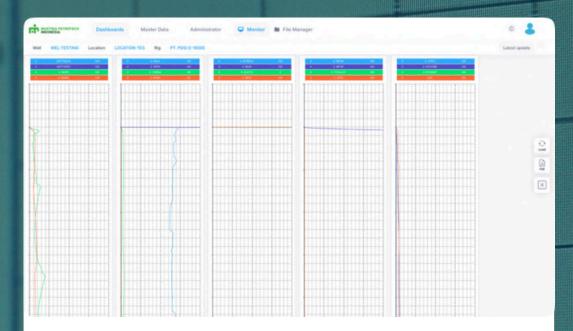
DRILLING PARAMETERS DASHBOARD

- Displays real-time drilling data (WOB, RPM, SPP, Torque, Depth)
- Integrated CCTV
- Access from rig to head office



MUDLOG ONLINE & INTERPRETASI CUTTING

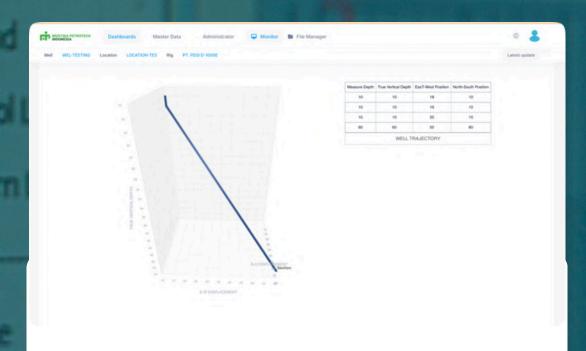
- Real-time rock cuttings analysis from the rig
- More accurate evaluation of prospect zones and lithology
- Integrated with drilling and depth data



HISTORY DATA BY DEPTH AND TIME

- Drill down into data by time or depth
- Automatically export to PDF for professional reporting
- Ideal for audits and project performance evaluations

RTO's Featured Features

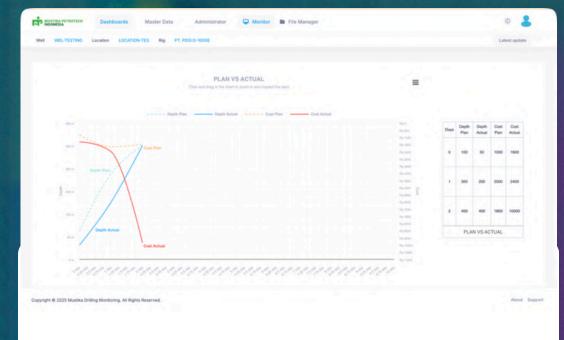


3D WELL TRAJECTORY

Static Note

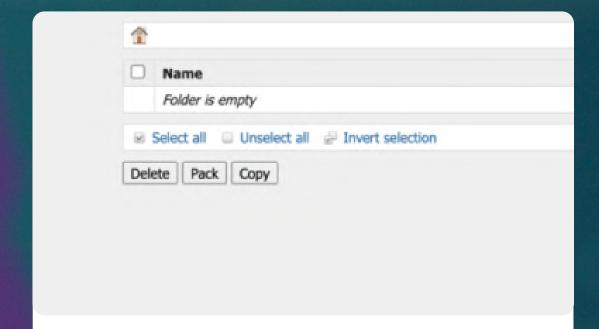
Pattern

- 3D well trajectory visualization (MD, INC, AZI)
- Compare multiple wells simultaneously
- Connect with formation and cuttings data



GRAFIK PLAN VS ACTUAL

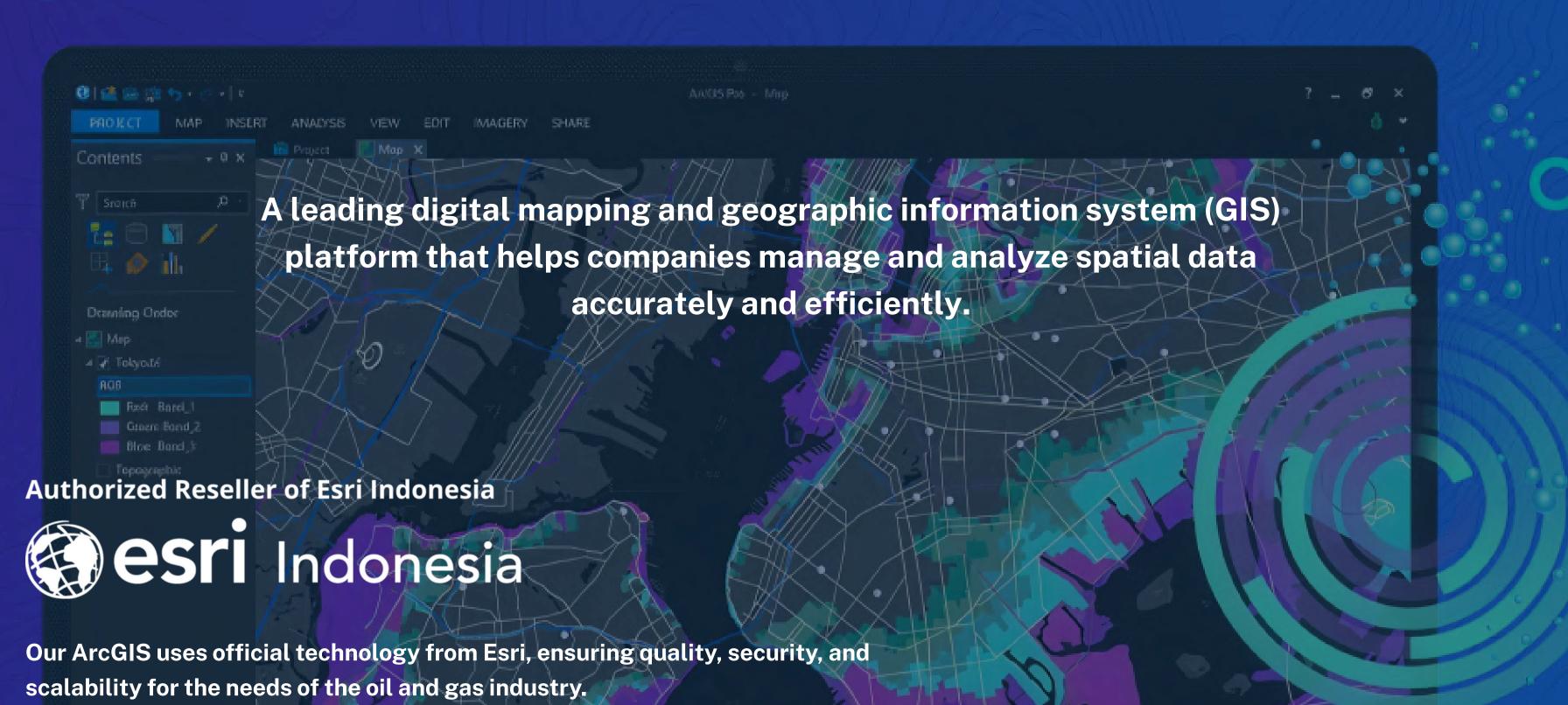
- Compare planned and actual drilling (Time, Cost, Depth)
- Detect deviations and cost overruns faster
- Effective tool for daily meetings and project evaluations



SHARING CENTER

- Securely and centrally share data (realtime & historical)
- Access rights based on user roles
- High security: encryption, automatic tokens, and audit logs





GALLERY PROYEK & KEGIATAN















HEAD OFFICE

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WAREHOUS

Jakarta

Jln. Iskandar Muda No. 77 JG, Pergudangan Rajawali Blok GBE, Kel. Neglasari, Kec. Neglasari, Tangerang

Balikpapan

Griya Permata Asri **Jln.** Tondano No. 137, Kel. Gunung Bahagia, Kecamatan Balikpapan **Se**latan, Kota Balikpapan Kalimantan Timur

Prabumulih

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