

# Strengthening National Supply Through Upstream Subholding



Established: June, 2007

#### Shareholders:

- Pertamina (Persero) 99.9968%
- Pertamina Pedeve Indonesia 0.0032%

PHE obtained legal end state of Pertamina Upstream Subholding in September 2021 and have a role in managing Pertamina's upstream business, in both domestic and overseas.

*Synergy and collaboration are the key words so that all elements of the officers can conquer these challenges, I am sure that Upstream Subholding will become a big, solid, advanced and strong family and will continue to be a contributor in achieving performance for the Pertamina Group.*

**Nicke Widyawati**

President Director & CEO PT Pertamina (Persero)

### Drilling Activities

(1 January - September 2021)

- Drilling 195 development wells and 45 on-going wells
- Work over activities: 343 activities
- Well intervention: 9,791 wells
- Additional reserves activities through seismic surveys and drilling of exploration wells
- Exploration drilling: 233 wells completed and 8 on-going wells
- 3D seismic survey 1,186 Km2
- 2D seismic survey 1,186 Km2

### Production Activities

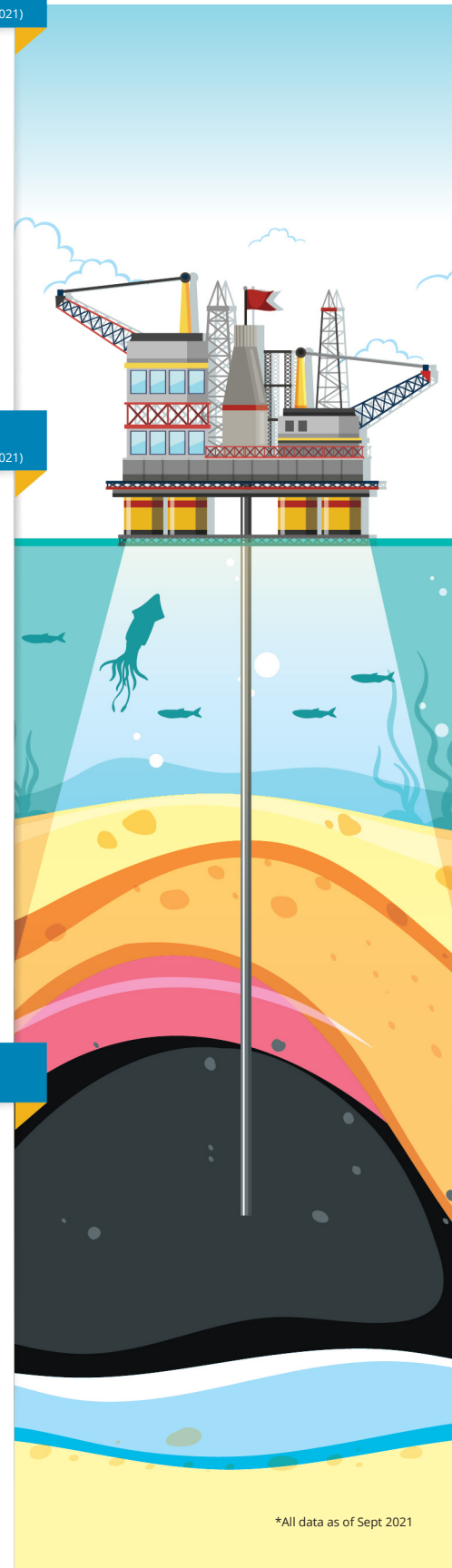
(as of September 2021)

- Oil and gas production of 866 MBOEPD: 415 MBOPD oil and 2,614 MMSCFD gas
- Update:
  - Implementation of Pressure Maintenance and Secondary Recovery/ Waterflooding (WF) from several fields has increased.
  - Enhanced Oil Recovery (EOR) in several fields, including in PEP-Tanjung (Polymer field trial) and PEP Sukowati (Study Subsurface CO<sub>2</sub>-EOR).
  - Further development in other operational areas.
  - Since August 2021, PHE added Rokan as its upstream portfolio. This one of Indonesia's largest crude producing block will increase the average daily production to the Group.

### Sustainability Aspects

To support Indonesia's Government to reduce emission and achieve net zero emission. PHE focuses on decarbonization and runs several programs including:

- Carbon Capture Utilization and Storage – Enhanced Gas Recovery (CCUS-EGR) Project program in the Gundih Field and Sukowati Field,
- Implementation of CCS (Carbon Capture Storage) apart from CCUS in CO<sub>2</sub> gas producing fields
- Energy efficiency
- Reduction of Flare/Zero Flaring
- Use of renewable energy such as solar panel.
- Study on emission reduction and decarbonization roadmap, includes a Roadmap of Zero Routine Flaring, Energy efficiency, and Improvement of the energy mix by using low carbon energy or Renewable Energy.



## PHE active subsidiaries

Pertamina Hulu Energi will conduct upstream oil and gas business through its 57 subsidiaries plus several subsidiaries previously owned by Pertamina (Persero). As the Subholding, PHE manages active 64 oil and gas working areas, through 5 regional in the oil and gas and CBM business fields namely:

### Oil & Gas EP - Domestic

- Pertamina EP
- Pertamina EP Cepu
- Pertamina EP Cepu ADK
- Pertamina Hulu Indonesia
- Pertamina Hulu Rokan
- PHE Ogan Komering
- PHE Tuban East Java
- PHE OSES
- PHE WMO
- PHE ONWJ
- PHE NSO
- PHE NSB
- PHE Siak
- PHE Kampar
- PHE Abar
- PHE Anggursi
- PHE Randugunting
- PHE Ambalat Timur
- PHE Tomori Sulawesi
- PHE Simenggaris
- PHE CPP
- PHE Jambi Merang
- PHE Raja Tempirai
- PHE Lepas Pantai Bunyu
- PHE Kakap
- PHE Corridor
- PHE Jabung
- PHE Makassar Strait
- PHE South Jambi B
- PHE Salawati Basin
- PHE Babar Selaru
- PHE East Sepinggan
- PHE Salawati
- PHE South East Jambi

### Oil & Gas EP – International

- Pertamina International EP
- PHE Nunukan Company
- PHE Ambalat Ltd.
- PHE Oil & Gas B.V

### Oil & Gas Services

- Pertamina Drilling Services Indonesia
- Elnusa Tbk

### Portfolio Companies

- Badak NGL
- PHE Arun

