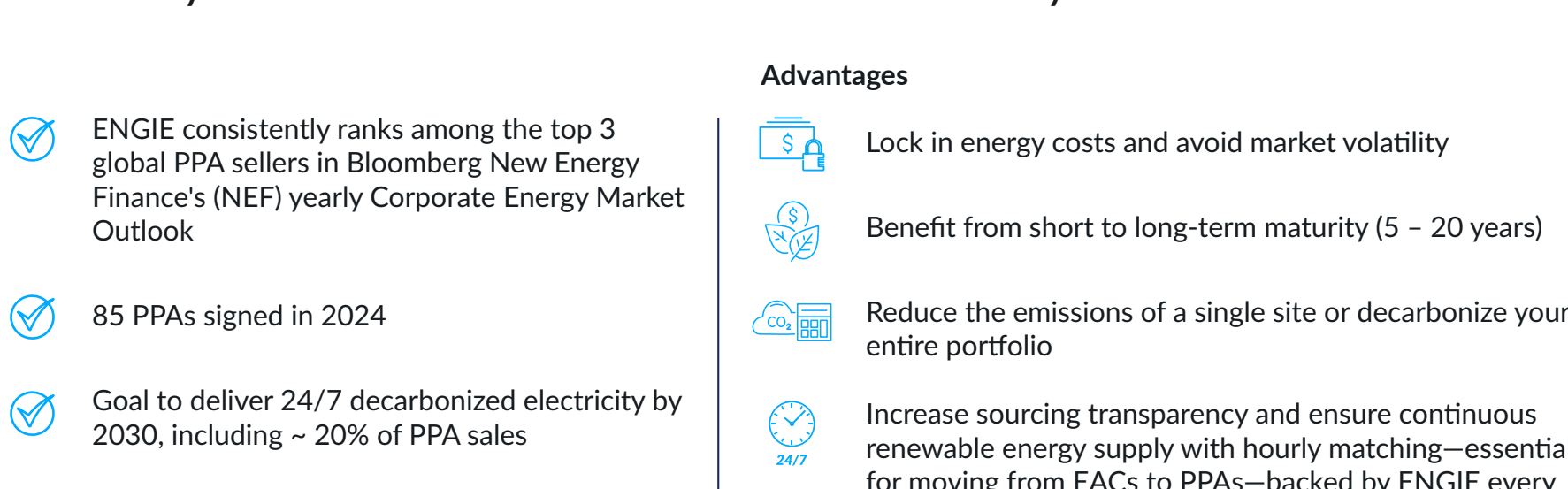




ENGIE Supply & Energy Management APAC

DECARBONIZATION SOLUTIONS

Advancing regional decarbonization and environmental sustainability



CORPORATE PPAs

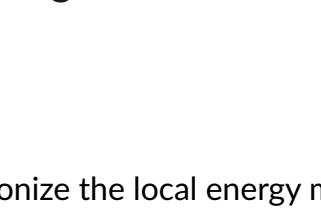
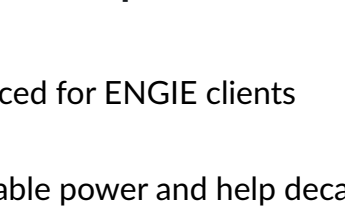
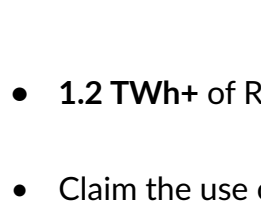
Physical or virtual contracts for 100% renewable electricity

- ENGIE consistently ranks among the top 3 global PPA sellers in Bloomberg New Energy Finance's (NEF) yearly Corporate Energy Market Outlook
- 85 PPAs signed in 2024
- Goal to deliver 24/7 decarbonized electricity by 2030, including ~ 20% of PPA sales

Advantages

- Lock in energy costs and avoid market volatility
- Benefit from short to long-term maturity (5 – 20 years)
- Reduce the emissions of a single site or decarbonize your entire portfolio
- Increase sourcing transparency and ensure continuous renewable energy supply with hourly matching—essential for moving from EACs to PPAs—backed by ENGIE every step of the way

ENGIE participates in:



They Trust Us:



RENEWABLE ENERGY CERTIFICATES

Reduce carbon footprint while funding renewable energy generation

- 1.2 TWh+ of RECs sourced for ENGIE clients
- Claim the use of renewable power and help decarbonize the local energy market
- All EACs supplied by ENGIE undergo stringent ESG compliance checks, reducing reputational risks to off-takers
- ENGIE provides standalone RECs on the spot market or will arrange a complete supply contract, delivering flexibility at each stage of your decarbonization journey



CARBON CREDITS

Tailored for impact and driving measurable change

- 15+ years experience on the voluntary carbon market
- Exclusive access to trusted carbon removal and avoidance projects
- Finance climate action where most needed & compensate for emissions remaining after implementing decarbonization strategy
- Access the latest innovative VCM projects, such as the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA), the first global market-based scheme that applies to a sector

ENGIE provides tailored procurement solutions in full transparency and with strong integrity, meeting current and future regulatory standards.



LOW - CARBON FUELS

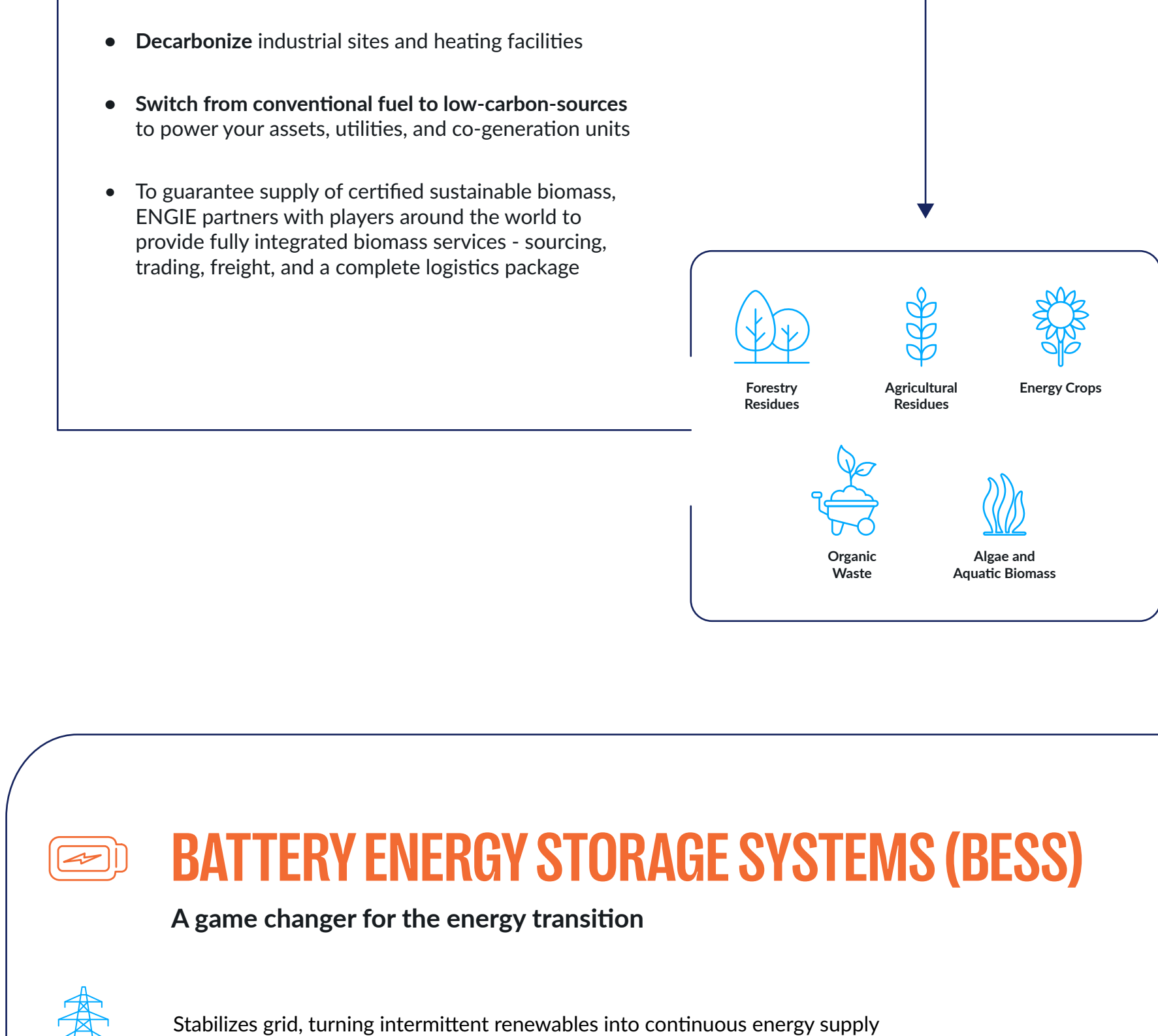
Catalyzing corporate decarbonization

- Biomethane, made from organic waste, can be injected directly into gas pipelines or transported to end-user
- 5 TWh supplied in 2023, aiming for 30 TWh by 2030
- +190,000 clients in 50 countries
- Biomethane Purchase Agreements for long-term supply

- E-methane – a renewable substitute for natural gas made by combining green hydrogen with captured CO₂; ENGIE's carbon capture and utilization project, Columbus, aims to produce e-methane on an industrial scale.

- Ammonia – renewable energy synthesized from atmospheric nitrogen and hydrogen. ENGIE will start trading gray ammonia in 2025 and green ammonia from 2027.

SUSTAINABLE BIOMASS



BATTERY ENERGY STORAGE SYSTEMS (BESS)

A game changer for the energy transition

- Stabilizes grid, turning intermittent renewables into continuous energy supply
- Reduce costs with peak shaving, charging when rates are low & discharging at peak demand when rates are high
- Decarbonize energy use, storing excess renewable electricity to use when needed



5 ADVANTAGES OF CONTRACTING DECARBONIZATION SOLUTIONS TODAY

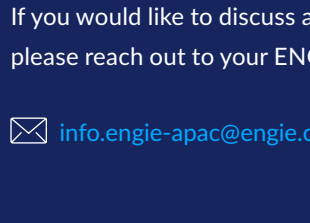
- Carbon neutrality
- Cost predictability
- Promote renewable energy
- Comply with environmental goals
- Enhance CSR and corporate reputation

ENGIE S&EM's GREEN SOLUTIONS IN APAC

The image is a composite of three parts. The top left shows a light gray world map. The top right is a circular inset containing a dark blue map of Asia with white borders. The bottom half of the image is a wide-angle photograph of the Singapore skyline, featuring the Marina Bay Sands hotel on the left and a dense cluster of skyscrapers on the right, with the city's harbor and water in the foreground.

APPLIED STRATEGY FOR A DECARBONIZATION ROADMAP

- Leverage GHG Protocol to measure emissions, identify hotspots, assess impact, set targets, and track progress.
- Kickstart onsite decarbonization solutions: energy efficiency, renewable energy generation, electrification.
- Acquire offsite solutions (RECs) from ENGIE's wide range of available options.
- Transition from short-term RECs to long-term CPPAs, supported by ENGIE each step of the way.
- Secure from ENGIE a customized, 24/7 carbon-free energy supply agreement, with hourly matching and reporting.



Contact Us

If you would like to discuss any of the solutions or best practices presented in this infographic, please reach out to your ENGIE representative or contact us at:

info.engie-apac@engie.com

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