

## Minami-Torishima Island

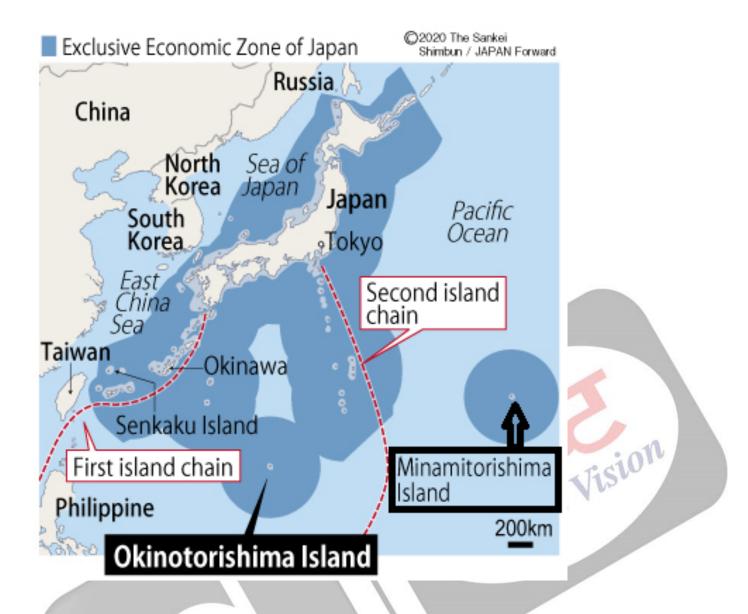
## **Source: BI**

Recently, researchers have uncovered a **significant deposit of minerals** on the seabed near the remote island of **Minami-Torishima** in **Japan**.

- This discovery includes manganese nodules containing enough cobalt and nickel.
- The researchers estimated that the seabed near **Minami-Torishima island** holds approximately 610,000 metric tons of **cobalt** and 740,000 metric tons of **nickel**.
  - Both cobalt and nickel are essential components in EV batteries.
- **Cobalt** is important for EVs as it prevents the cathode from overheating while extending the life of batteries while **Manganese** contributes 61% of the cathode needs of the batteries.

## **Minami-Torishima Island:**

- Discovered in 1543, Minami-Torishima is a <u>coral atoll</u> in the <u>central Pacific Ocean 1,125</u> km southeast of <u>Japan</u>.
- It's also about 1,200 km away from the Chichijima Island of the Ogasawara Island group.
- The triangular-shaped island of **Minami-Torishima** is the summit of a giant seamount rising from the seafloor and is located on the **Marcus-Necker Ridge**.
- Located at the easternmost edge of Japan, the island is the first in Japan to see the sunrise.



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