TYPHOON NAMADOL

Severe Weather Report

Report issued by Skytek: at 12:00 GMT on September 17th 2022

SUMMARY

Tropical cyclone Namadol formed on September 11th in the Philippine Sea, reaching typhoon wind force by September 15th and 24 hours after, on September 16th it intensified into a Category 4 typhoon, with violent winds of 160 MPH and waves of up to 15m.

Due to quoted risks of unprecedented storms, high waves, storm surges, and record rainfall, the Japan Meteorological Agency (JMA) has issued its highest warning for the Kagoshima region where the typhoon is expected to make landfall on Sunday afternoon.

TYPHOON NAMADOL, OVERVIEW, SEPTEMBER 17TH,2022

Skytek's analytics platform **REACT** counts more than 10,000 marine assets (merchant ships, inland traffic, offshore platforms) in the cone of the typhoon, which is further narrowed down into a more granular view. Skytek platform counts inside the area of the 50 knots winds the following exposed assets:

ENERGY OFFSHORE (TOTAL: 238)

Windfarms	195
Oil Platforms	22
Offshore Support Vessels	16
Drilling Rigs	3
Jack-up Support Vessels	1
Shuttle Tankers	1
Total Estimated Hull Value	**$2.5B**

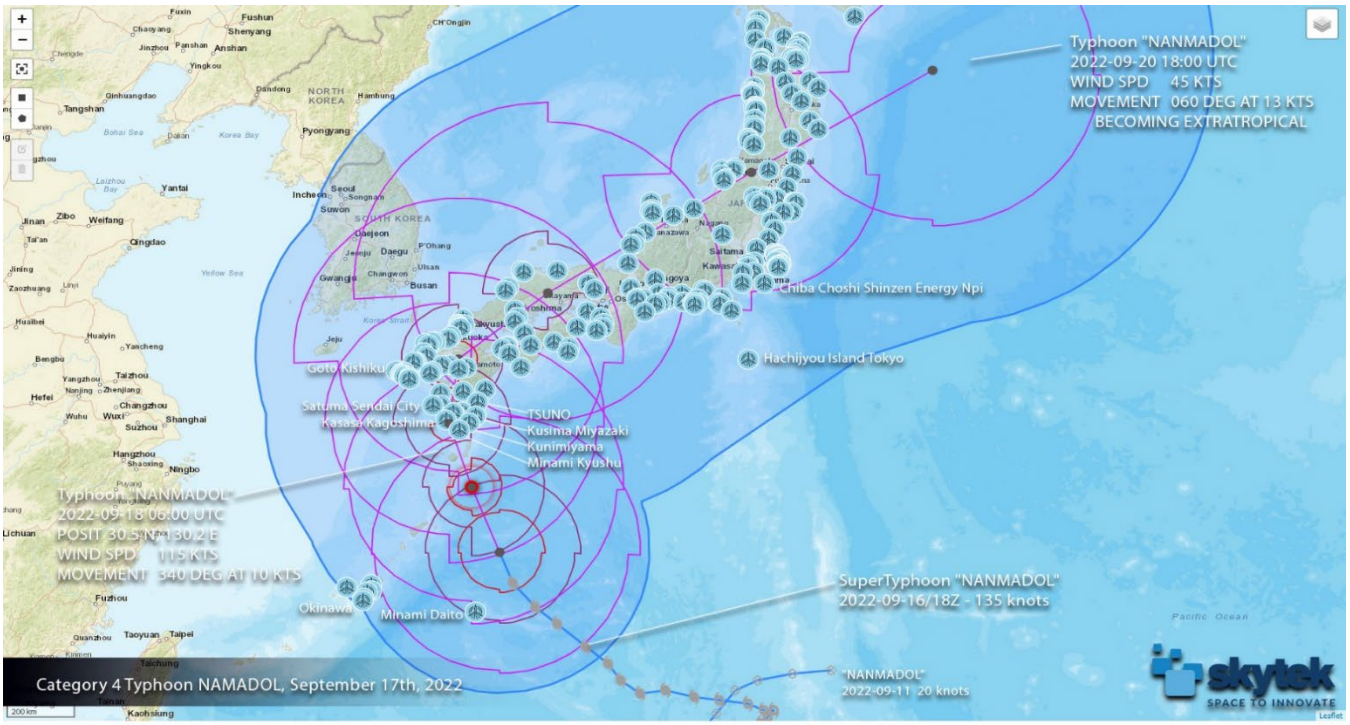

Figure 1 – Typhoon Namadol, overview of offshore assets(Windfarms) in the cone, September 17th 2022

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MERCHANT SHIPS (TOTAL: 1515)

General Cargo Ships	741
Tanker Ships	360
Bulk Carriers	245
Container Ships	169
Total Estimated Value	**$7B**

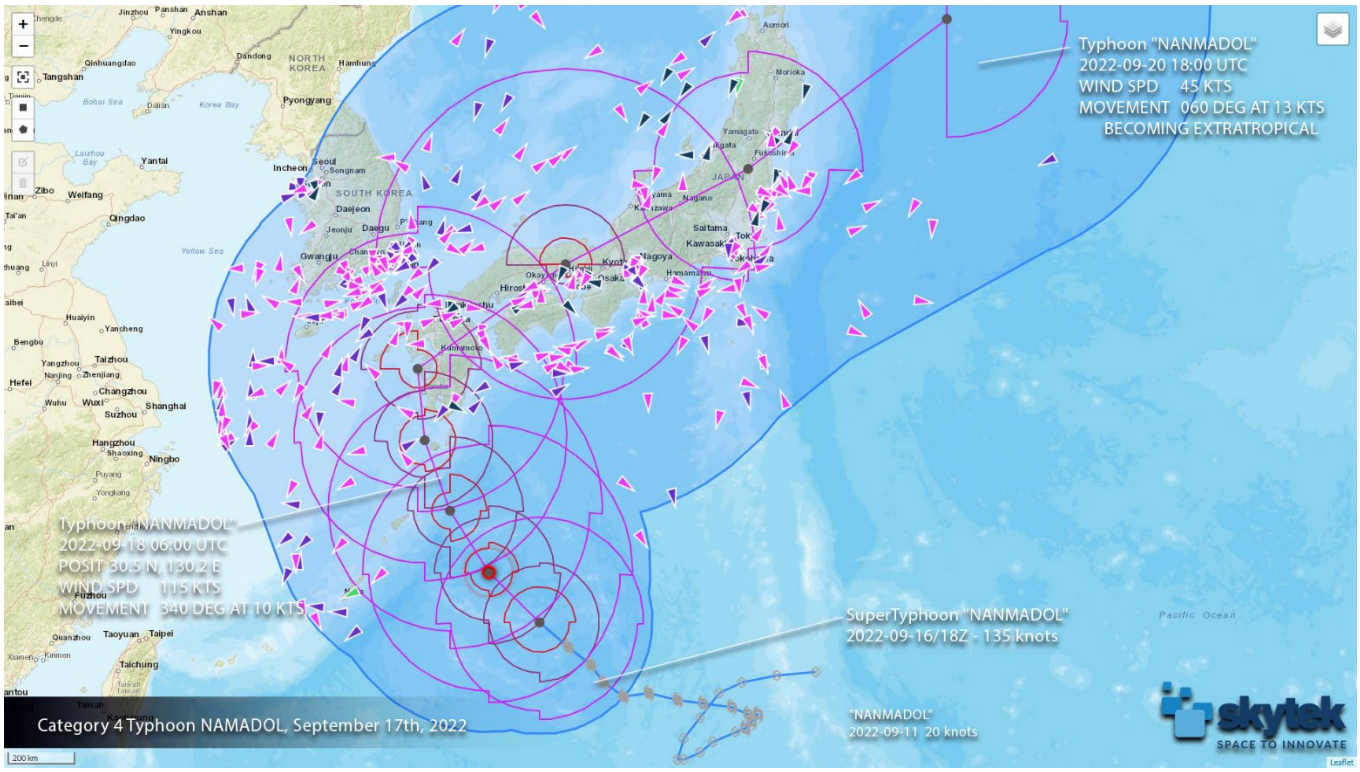

Figure 2 – Typhoon Namadol, overview of marine assets in the cone, September 17th 2022

Typhoon Namadol is expected to have a higher impact, the official added, and had the potential to be worse than Typhoon Jebi in 2018 which cost (re)insurers about $5.5B, and left 14 people dead. Typhoon Hagibis had more than $10B in losses to reinsurance markets and caused widespread power cuts in 2019.

The websites of Japan Airlines and All Nippon Airways announce flight cancellations in the airports of Kagoshima, Miyazaki and Kumamoto before the arrival of Typhoon Nanmadol. The interruptions will add additional costs to the expected wind damage.

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PROPERTY

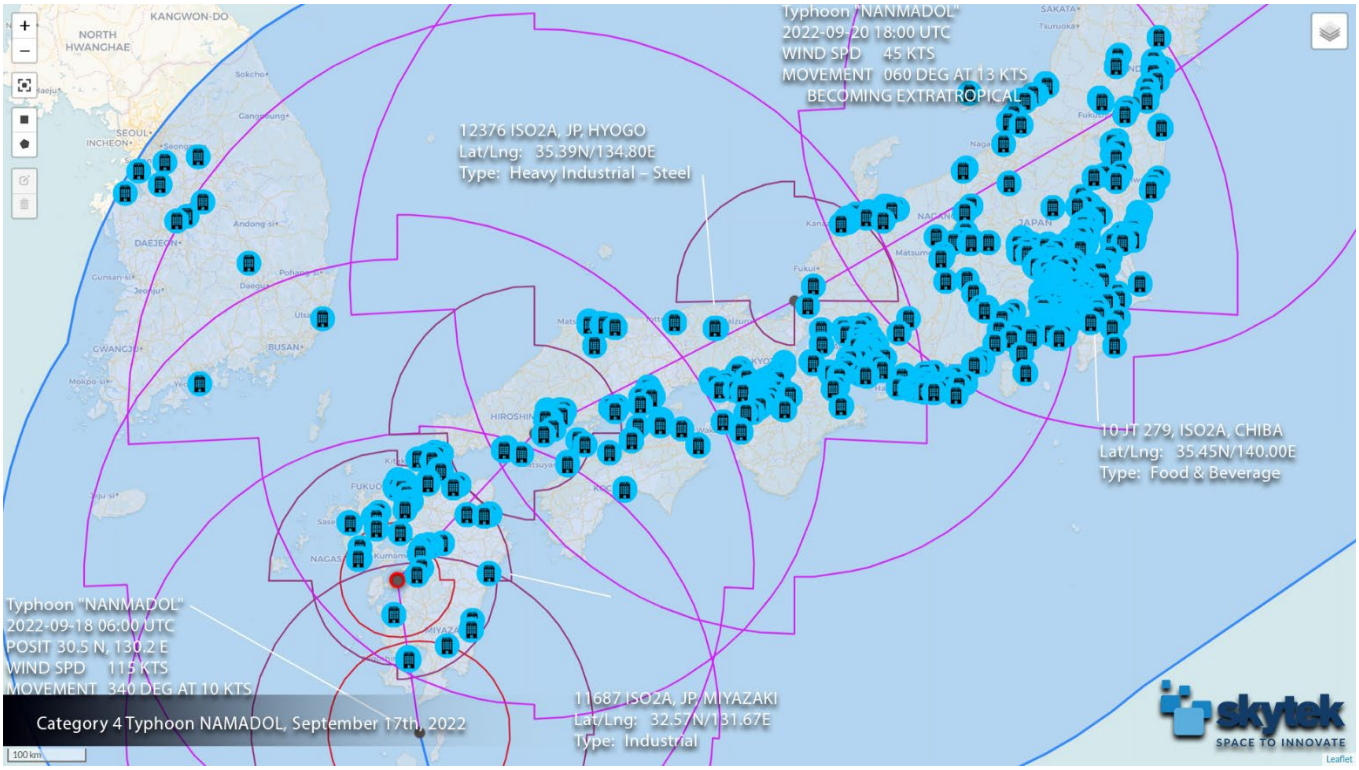

Figure 3 – Typhoon Namadol, overview of property assets in the cone, September 17th 2022

SKYTEK maps in the 50 knots winds area of Typhoon Namadol, a selection of representative industrial buildings, which are believed to be most exposed, and susceptible to damage due to heavy rain and possible flooding, strong winds.

Industrial	1351
Light Industrial – Electronics	645
Heavy Industrial – Glass	595
Commercial	505
Heavy Industrial – General	385
Heavy Industrial – Steel	275
Light Industrial – General Manufacturing	241
Food & Beverage	68
Data Processing/Telecommunications	56
Light Industrial – Pharmaceutical	44
High Technology	40
Chemical Processing – Primarily Indoor	35
Petrochemical – Refineries	22

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Skytek **REACT** provides real-time incident, weather, vessel and offshore installation monitoring, as well as downloadable lists of ships and energy asset values in the impacted area. For more information or a demonstration, please visit Skytek.com.

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