

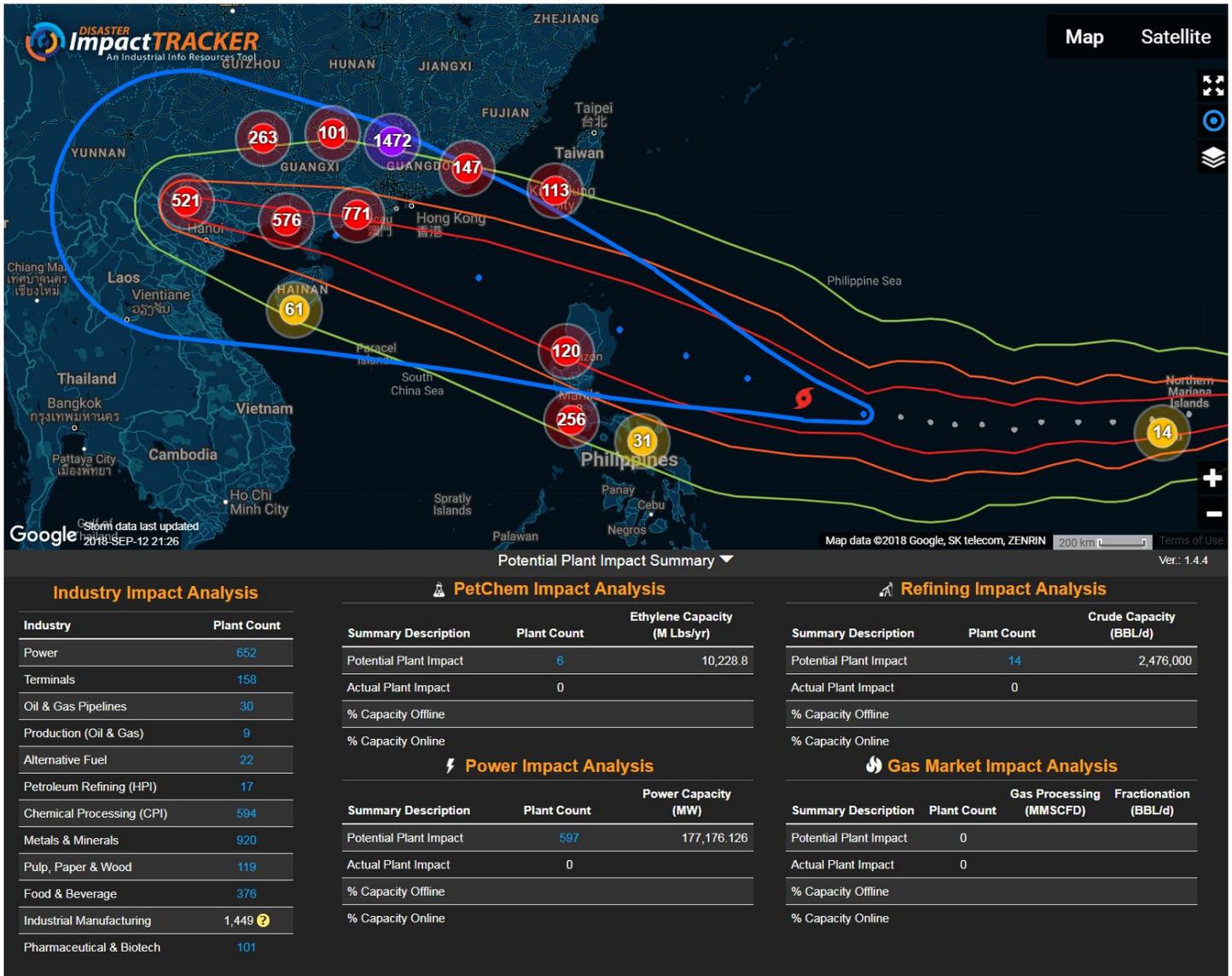
Hurricane FLORENCE

Hurricane Florence Idles Hundreds of Industrial Plants Ahead of Today's Landfall

Hurricane Florence is forecast to move into South Carolina today as the storm slowly makes a more southerly turn. The trajectory puts at least three nuclear power plants, that combined produce 3,548 megawatts, in the direct path of the most intense wind bands predicted for the storm. Duke Energy Progress LLC owns two of these plants, the HB Robinson Nuclear Power Station and the Brunswick Nuclear Power Station. The third plant, the Virgil C Summer Nuclear Station, belongs to South Carolina Electric & Gas Company. Each of these plants operate under rigorous Nuclear Regulatory Commission (NRC) safety and security compliance measures to ensure their safety during severe storms. Several large steel mills and related industry facilities are closing in advance of the storm, including Dominion Terminal Associate's 22 million-ton-per-year coal terminal, Liberty House Group's 750,000 ton-per-year steel wire minimill in Georgetown, South Carolina, Vulcraft Incorporated's steel joist plant in Florence, South Carolina, and JW Aluminum Company's aluminum sheet mill in Goose Creek, South Carolina. Most large industrial complexes plan to remain idle through the weekend, with restarts depending on power restoration and staffing resources early next week. Under its current trajectory, the storm is expected to have no impact on the operations of the refineries in the nearby states of Tennessee and Alabama. As of Thursday morning, nearly 850 industrial plants are in the most powerful path of the storm, while another 1,840 industrial plants are projected to be in the outermost bands. Stay tuned to Industrial Info's Disaster Impact Tracker tool to monitor the status of power plants once the storm has passed.

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Typhoon MANGKHUT

Typhoon Mangkhut Remains a Category 5 Storm as it Approaches the Philippines

As a Category 5 storm, Typhoon Mangkhut is considered a Super Typhoon by those in its path. The storm is expected to make landfall Saturday in northern Luzon in the Philippines, with winds predicted to reach 180 miles per hour. As the storm crosses the Philippines, extreme winds and rain will potentially impact 64 industrial plants, including 37 power plants producing 3,137 megawatts. The typhoon is projected to continue toward the southern provinces of China, where it could intersect with thousands of industrial plants. In the Chinese energy sector, there are at least six (6) petroleum refineries in the storm's current path that process more than 860,000 barrels per day (BBL/d) of crude oil, along with a 2,200 million-pound-per-year naphtha ethylene plant. More than 90 power plants producing more than 18,000 megawatts lie in the projected path of the storm's most extreme wind and rain, although movement of the storm over the next few days could change this outcome significantly, depending on where the storm makes landfall.

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