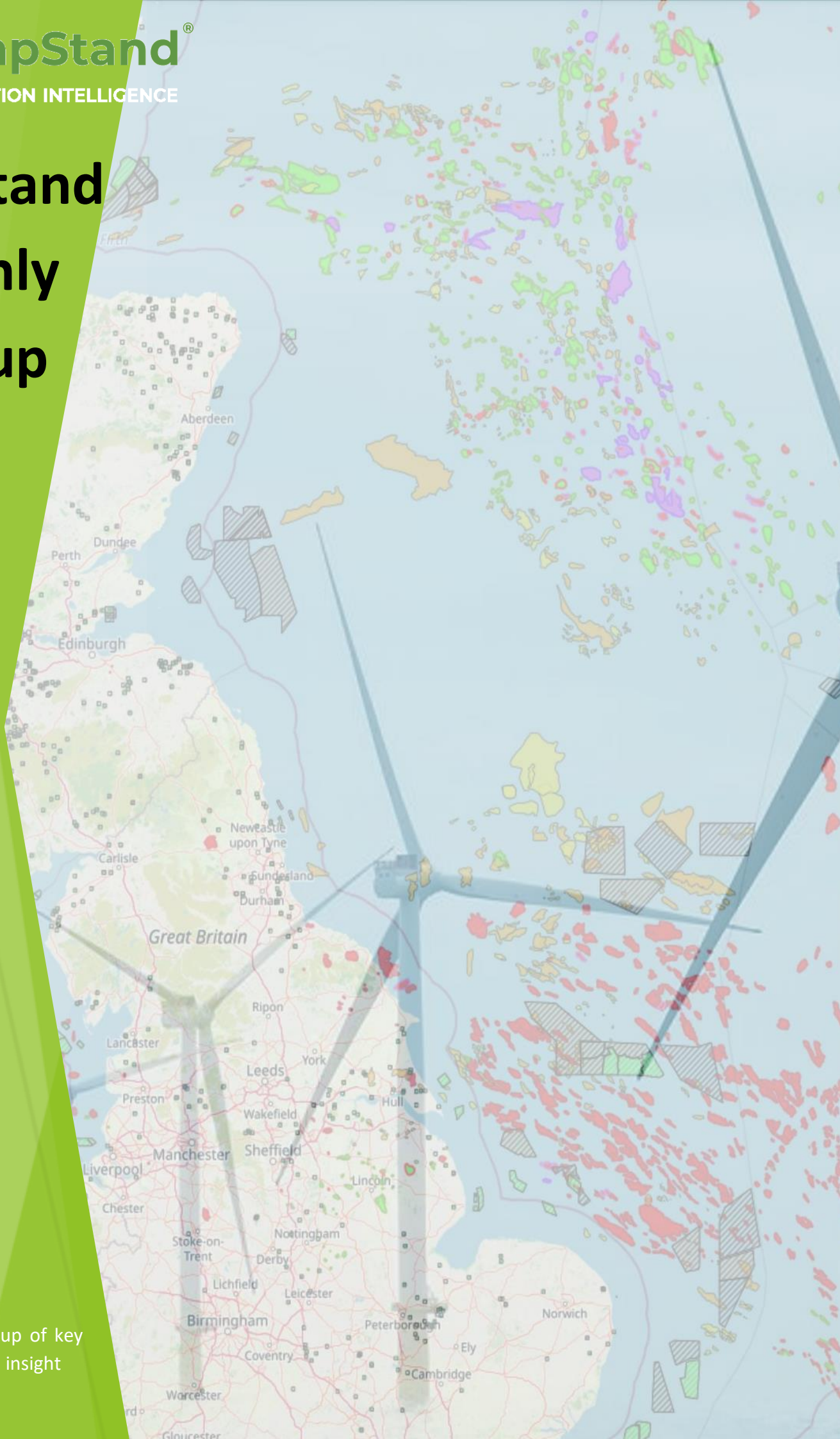




**MapStand**<sup>®</sup>  
LOCATION INTELLIGENCE

# MapStand Monthly Mashup



**August 2020**

A monthly round up of key  
developments and insight

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## Welcome

Welcome to the August edition of the MapStand Monthly Mashup. This month, alongside the round of up of industry news from across the globe we have one very exciting announcement to make...

MapStand is launching a crowdfunding campaign!

After nearly two years of development MapStand is at the point of scaling its business to grab new opportunities. The recent disruptions to the E&P industry as a result of COVID-19 are ongoing, but we are starting to see a surge of interest in our products, especially from companies who are cutting costs and reducing their subscription budgets. The other huge structural change afoot is illustrated by BP's recent announcement of a 10 year transformation from an International Oil Company to an Integrated Energy Company. Energy Transition has become a necessity, and we have been developing renewable dataset since our inception and are aiming to be the leading global data provider supporting Integrated Energy Systems and Energy Transition.

We are so excited and energised about this next phase of MapStand's growth and hope you can share our success by becoming one of our crowdfunding investors.

Our crowdfunding campaign will be launching soon and we will notify all of our subscribers by email and also promote on social media so make sure you are signed up to our free app and also follow us on LinkedIn so you don't miss out.

Register for our app [here](#)

Follow us on [LinkedIn](#)

Francis Cram  
MapStand CEO

## Renewables

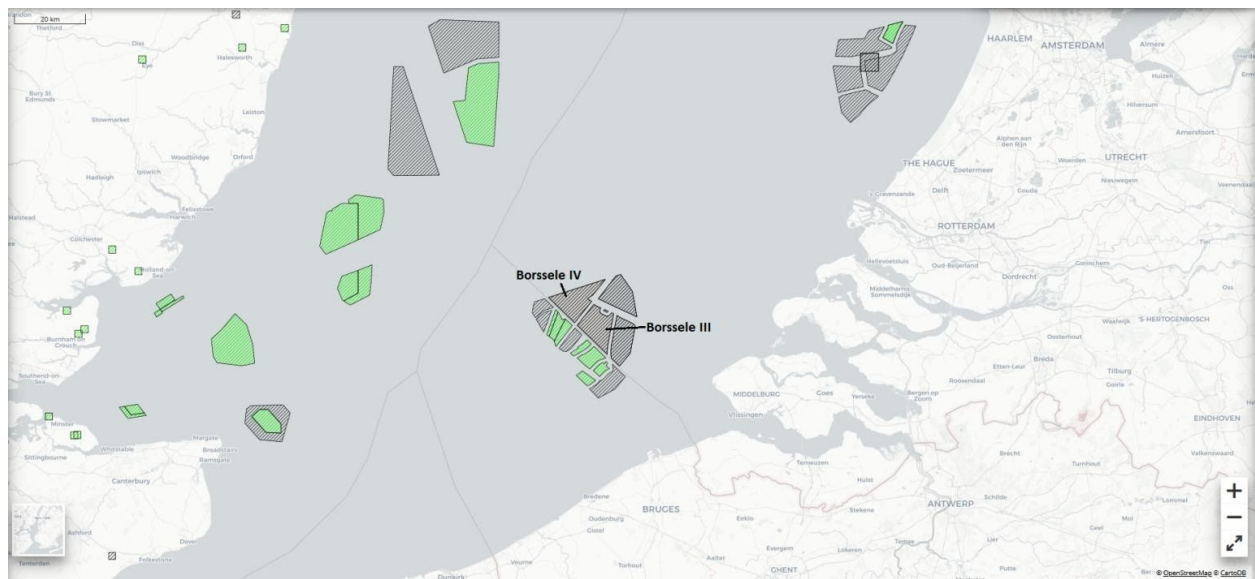
### First output from the Borssele wind farms

The start of August marked the first power output from the Borssele III and IV wind farms offshore Netherlands.

Installation began in May 2020 and with 36 of the 77 9.5MW turbines installed, first power was generated for the Dutch grid this morning.

Installation of the remaining turbines is expected to be completed by October 2020 with full commissioning in 2021 when the total capacity will reach 731.5 MW.

The wind farm is owned by the Blauwwind consortium, comprising Partners Group (45%), Shell (20%), DGE (15%), Eneco (10%), and Van Oord (10%).



The Borssele wind farms off the coast of the Netherlands are now operational

## East Anglia One

Iberdrola, through its subsidiary ScottishPower has announced that its East Anglia One wind farm is now operational.

East Anglia One consists of 102 turbines and has an installed capacity of 714 MW, generating enough electricity to power 630,000 homes.

Iberdrola already has plans to turn the region into an East Anglia HUB with three additional projects, East Anglia One North, East Anglia Two and East Anglia Three which, once completed will have a total capacity of 3100 MW.



East Anglia One and surrounding planned wind farm developments, generating the East Anglia Hub

## Reinventing BP

BP took centre stage this month, announcing a landmark pivot of focus with its 2030 strategy. The company intends to increase low carbon investment by ten fold, increase renewable capacity to 50GW and decrease oil and gas production by 40%.

The move highlights management's view that peak oil demand is close, or potentially has already happened. Having previously written 70% off the value of its exploration portfolio in the face of looming carbon taxes and depressing oil price forecasts, the group sees the prospect of many of its upstream assets becoming stranded as a very real threat.

The shift will take BP from an international oil company (IOC) to an integrated energy company (IEC), with a focus on solar, wind, hydrogen and biofuels, all to be funded through revenues from existing oil operations, high margin project developments, upstream divestments and borrowing.

BP certainly isn't the first company to make such a pivot. Dong Energy made a similar move in 2017, transforming into offshore wind operator Orsted on the back of generous subsidies - imposing its presence in the more mature North Sea markets. Today, those subsidies are slowly being removed in favour of reverse price auctions, making this market more competitive.

BP's growth in renewables will inevitably be driven through acquisitions. Expect to see organic growth in emerging markets where government incentives and first mover advantages will make investment in this lower margin sector more attractive.

With an increased attention towards biofuels and an aim to corner at least 10% of the hydrogen market by 2030, as an integrated energy company, we can expect to see BP place a larger focus on its downstream and retail business segments. The company aims to build 70,000 EV charging points, recognising the important role fuel and charging stations will play in controlling clean energy distribution.

Will others follow BP? Carry on business as usual? Or seek to grab upstream market share and hunt for apparent divestment bargains in what some believe will be an increasingly overlooked sector?



## Dogger bank

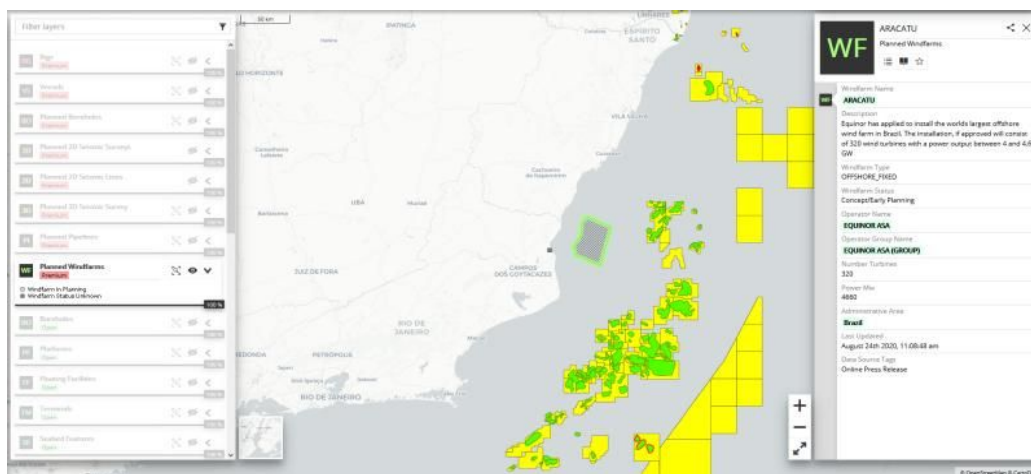


Currently under construction by [Equinor](#) and [SSE Renewables](#), the Dogger Bank wind project is set to claim the title of largest wind farm in the world with a power output of 3.6GW. At a US\$12 billion price tag, it will also be the largest FID in the north sea this year.

Dogger bank is a large shallow water area in the Southern North Sea that acted as a landbridge connecting Britain to Europe during the last ice age. With water depths ranging from 40 - 50 metres, the area is ideal for wind farm construction - allowing for the installation of cost effective fixed foundation turbines.

A total of 600 turbines are being installed with each turbine standing 260m tall - for perspective the Eiffel Tower is 300m high. Upon completion in 2023, the whole project will generate electricity for up to 4.5 million homes - significantly increasing the UK's wind power capacity.

The sheer scale of the turbines and the project itself is aimed at generating more power at a lower cost. Dogger bank is an attractive model that will likely be adopted for future projects around the world. Indeed, that is exactly Equinor's plan, having recently applied to build an even larger 4GW wind farm at Aracatu, offshore Rio De Janeiro, Brazil.



## Norway

After drilling 16/1-33S, the Leiv Eiriksson has moved on to drill well 6507/4-1 in PL1009 on behalf of ConocoPhillips Skandinavia AS. The well is currently drilling, north of the Victoria discovery.

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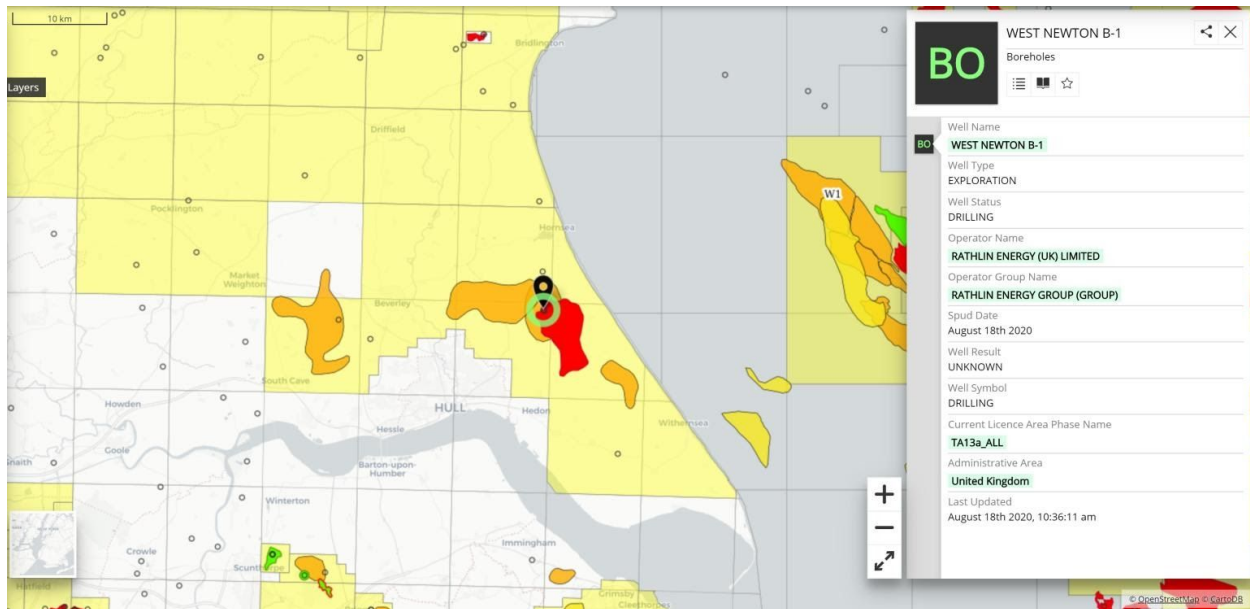
## West Newton update

Rathlin Energy Limited has spud the West Newton B-1 well onshore the United Kingdom this month.

The B-1 is a follow up to the A-2 well on the West Newton field, which currently has initial in-place base case estimates of 146.4 mmbbl OIIP and 211.5 bcf GIIP.

Rathlin noted that initial conductor drilling has commenced and the rig would drill to a depth of about 80 metres, where steel casing. This will be followed by mobilisation of the main rig which will drill the main borehole to a depth of about 2,000 metres. The drilling operations would continue for six-to-10 weeks.

Rathlin holds a 66.67% interest in PEDL 183 alongside Reabold Resources (16.665%) and Union Jack (16.665%).



Location of West Newton B-1, the West Newton discovery and nearby prospects.

## Black Sea

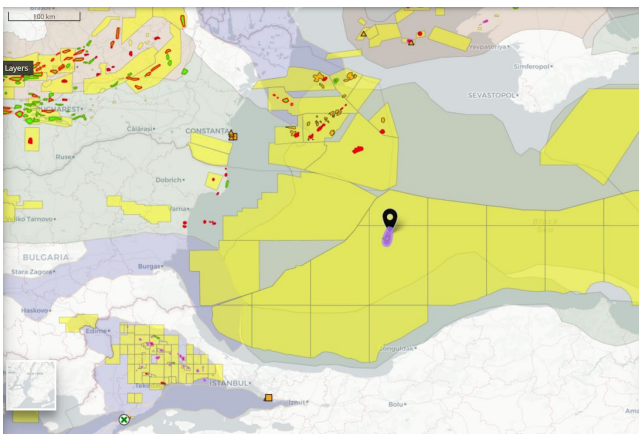
### Turkey - Sakarya discovery

Turkey's national oil company TPAO, announced this month that it had made a 'significant' deepwater gas discovery offshore Turkey in the Black Sea, with their fully owned drillship, Fatih. The well encountered 100m of pay at 3,520m TD - there are variations in figures depending on the news source, but "the expected reserve is 11 trillion cubic feet and meets approximately 8 years of Turkey's needs." The well will be deepened to test additional targets.

The country has built up a fleet of sixth generation drillships, acquiring them at low prices from struggling companies in an attempt to jump-start its domestic oil and gas industry. Turkey is heavily reliant on gas imports for its large energy needs, spending more than it would like. Up until now, Turkey has been using these assets in the mediterannean for 'posturing purposes' over a maritime boundary conflict surrounding Cyprus.

The rig's journey to the Tuna-1 exploration well was not easy. Crossing the narrow straits of the Bosphorus required Fatih to pass underneath three bridges with only 64m of clearance. The derrick had to be temporarily removed for the crossing.

The discovery is significant, confirming the Black Sea as a prolific gas basin - with positive implications for prospectivity in neighbouring Romania and Bulgaria. However, Fatih's difficult journey highlights the limited supply chain capacity within the Black Sea and as such, the difficulties involved in developing a deepwater discovery here.



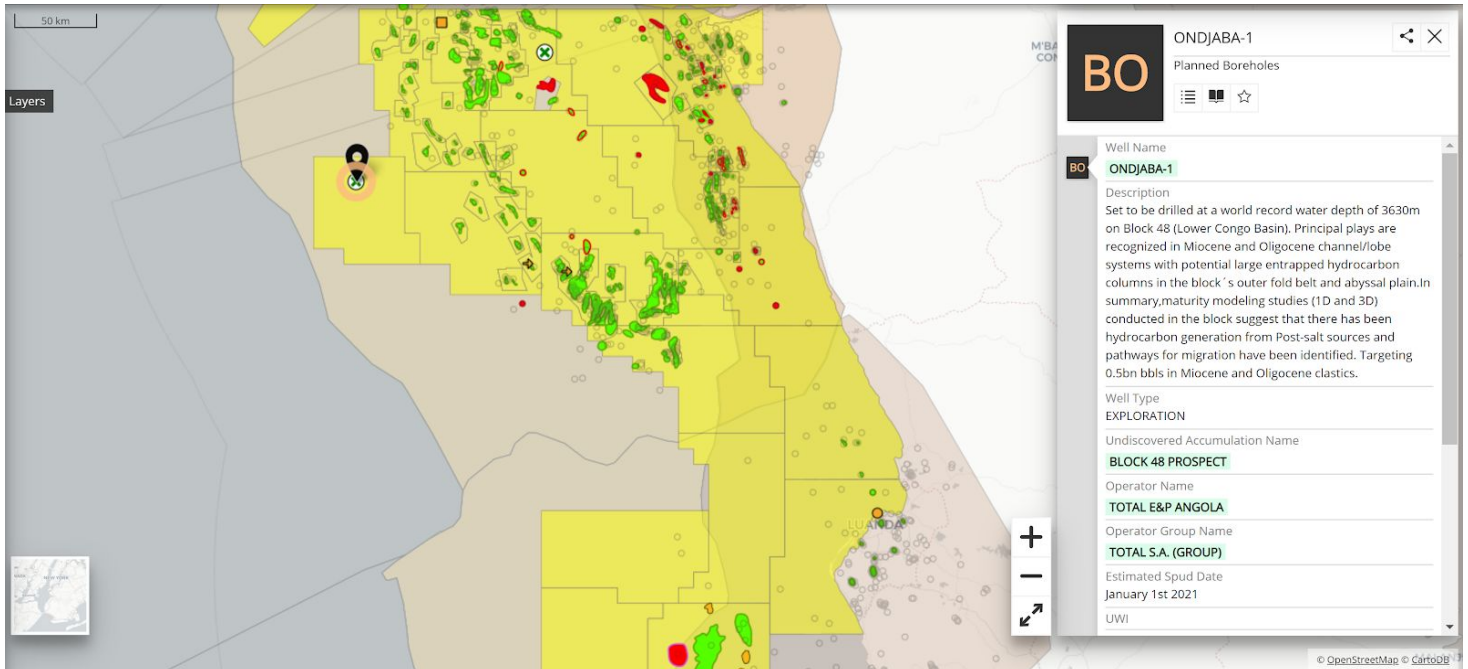
## Africa

### Angola - Block 48 farm-in

Qatar Petroleum has entered into an agreement with Total to farm-in to the ultra deepwater Block 48 offshore Angola - QP will hold a 30% interest. The deal follows similar entries into countries such as Côte d'Ivoire, Kenya, Mozambique and South Africa.

Total had planned to drill the Ondjaba-1 exploration well on the block this year, slated as the deepest ever by water depth >3,600 metres. However, the Maersk Voyager drillship contract was postponed due to Covid-19 concerns. The well will likely now be spud early next year and is targeting ~500mmmbbls in Miocene and Oligocene clastics.

Should any discoveries be made, Total will need to develop new subsea technology in order to progress with development at these water depths. Significant volumes or adjacent finds will likely need to be made in order to justify any development activity here.



## Senegal - Sangomar

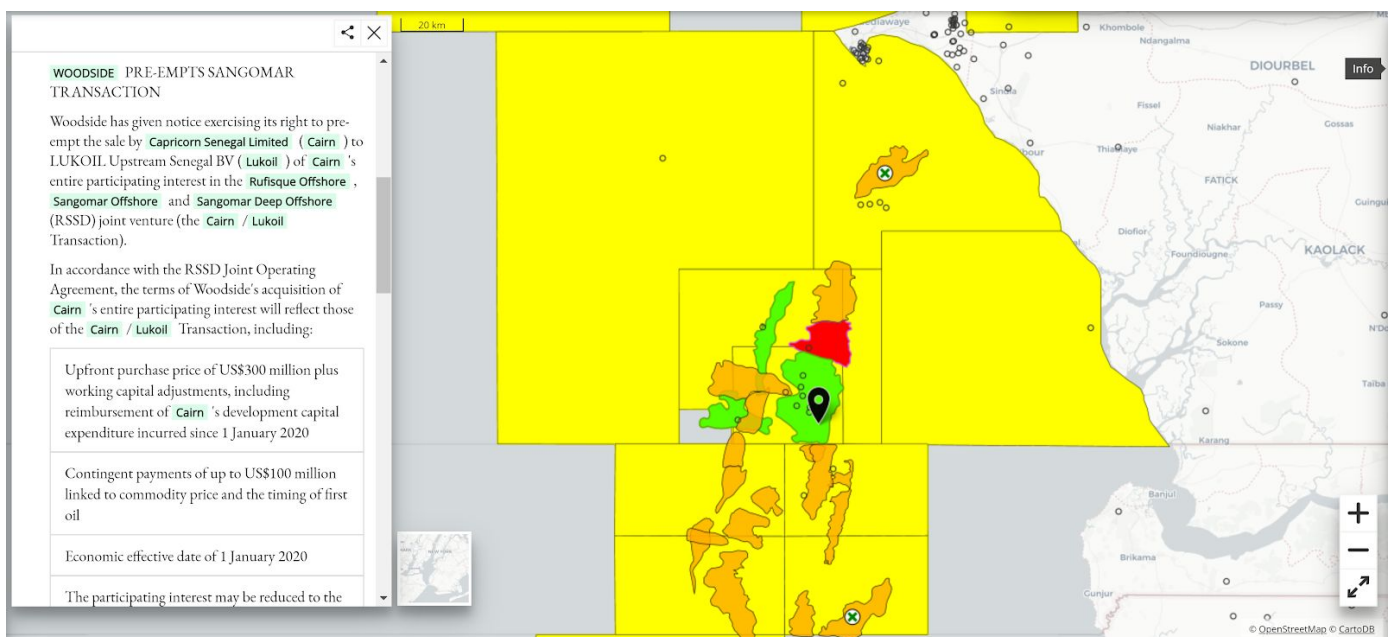
Following Lukoils offer for Cairns 40% stake in the Sangomar project, Woodside has elected to pre-empt the deal.

Woodside will now end up with a sizable portion of equity representing a significant capex burden going forwards. On top of that, the partners are required to carry state oil company Petrosen, who recently increased their share from 10% to 18%.

Far Limited, who are currently in default with regards to payments towards the project, are still attempting to find a buyer for their share. The clock is ticking, with the potential for Far's share to be liquidated and diluted between the remaining 'partners' - potentially increasing Woodside's cost burden further.

Woodside's move represents a firm commitment to the project, reflecting management's view that majority control in a low oil price environment where partners with different priorities and problems can negatively influence the timing of decisions, is paramount.

This capex commitment, in the face of the many bargain M&A opportunities that will likely present themselves as the super majors begin their divestment plans, highlights the attractiveness of this world class asset to Woodside.

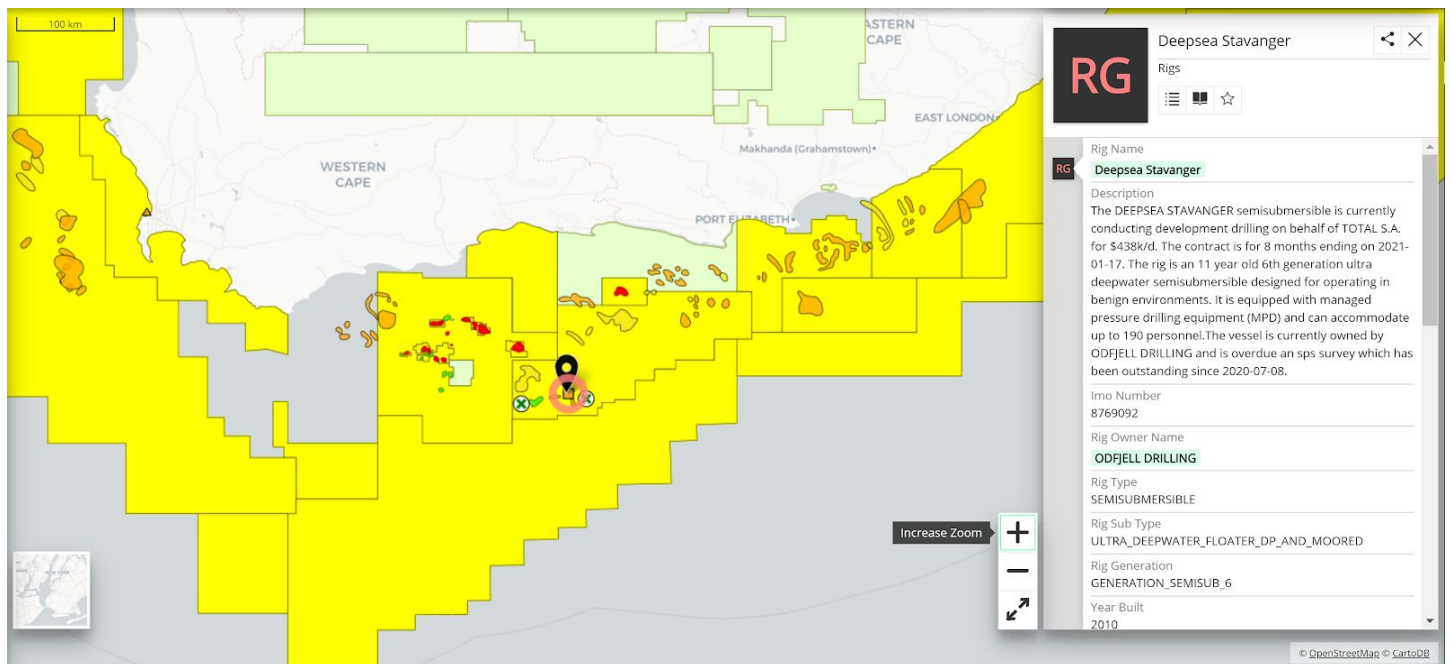


## South Africa - Luiperd

Following a pit-stop in Cape Town, the Deepsea Stavanger has now spud Total's highly anticipated Luiperd-1 well offshore South Africa - taking nearly four days to get into a final position.

Luiperd is a follow up to the Brulpadda discovery made last year. Targeting ~500 mmboe, it is the second of five submarine fan prospects that Total and partners intend to test. The well is being drilled to a TD of 3,550 meters within 1,795 meters water depth along the notoriously strong Agulhas current.

Total has the rig contracted for a year. Given no technical complications, the partners will then move on to appraise Brulpadda and possibly conduct further exploration work - should schedules permit.



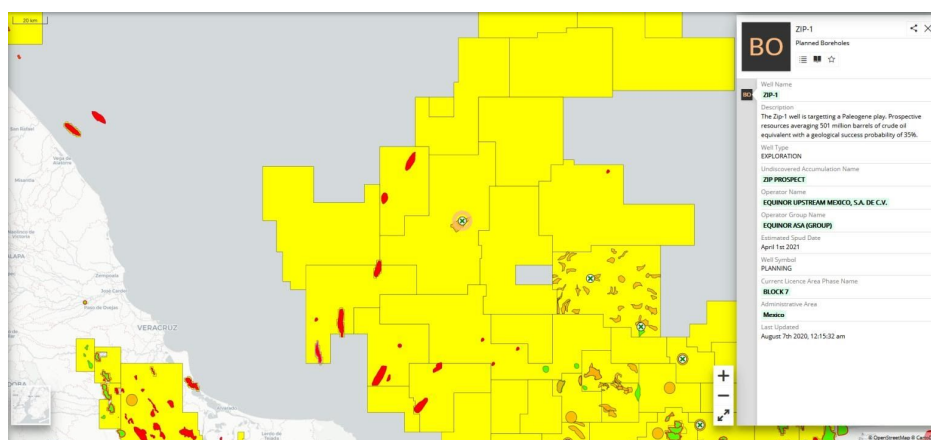
## Latin America

### Mexico - Zip-1 and Chimali-1

Equinor will drill the Zip-1 exploration well in the Salinas-Sureste Basin during Q1 2021 following approval by CNH Mexico.

The well will be drilled in Block 7 (CNH-R01-L04-A3.CS / 2016), operated by Equinor (33.34%) on behalf of partners Total (33.33%) and bp (33.33%).

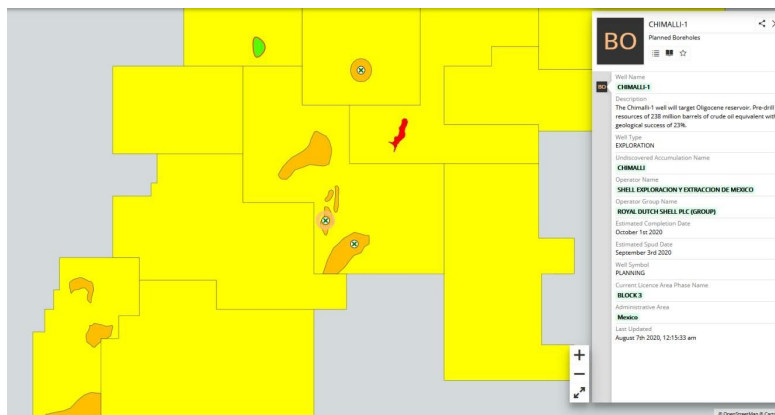
Zip-1 will target Paleogene sands with an estimated resource of 501mmboe. With a 35% chance of success, will we see Equinor and bp strike with their first exploration attempt in Mexico?



Alongside approval of the Zip-1 exploration well, Shell also received approval for its Chimali-1 exploration well, to be drilled in the Perdido Fold Belt. The well will target Oligocene reservoir with a pre-drill resource estimate of 238mmboe and 23% chance of success.

It is anticipated the well will spud on 3rd September 2020 with drilling expected to take around 27 days at a cost of ~\$36.5m.

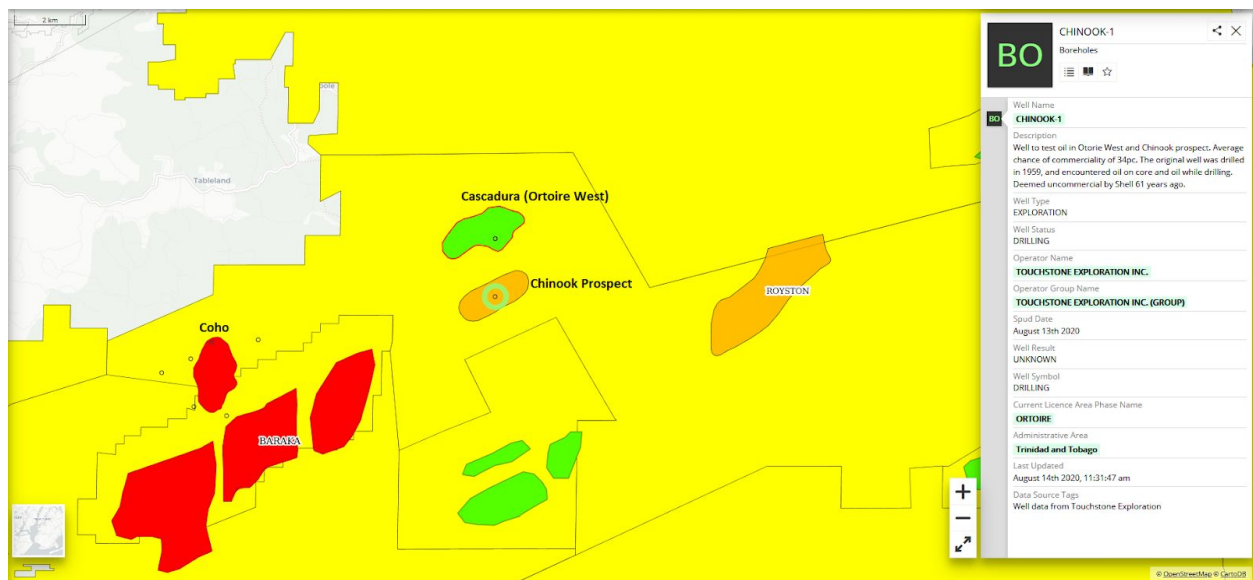
Shell is operator of Block 3 (CNH-R02-L04-AP-PG03/2018) with 60% equity alongside partner Qatar Petroleum (40%).



## Trinidad and Tobago - Chinook

Touchstone Exploration Inc. spud the Chinook-1 well in the Ortoire block this month. The well is targeting the Herrera sands turbidite play which has been proven to the north and west with Touchstones Coho and Cascadura (Ortoire West) discoveries. The well will be drilled to depths between 2400-2800m, offsetting the BW-7 and 7X wells drilled in 1959.

With hydrocarbons observed in the historic wells, will Touchstone Exploration Inc. make it 3 from 3 with success at Chinook?



## Australia

### 2020 Offshore petroleum exploration acreage release

The Department of Industry, Science, Energy and Resources, Australia announced on the 26th August that the 2020 Offshore Petroleum Exploration Acreage release was now open for bids.

The release consists of 42 areas across five sedimentary basins and includes areas offshore of the Northern Territory, Western Australia, Victoria and the Ashmore and Cartier Islands. Bidding on these areas is open until Tuesday 1 June 2021.

Further details available:

<https://www.industry.gov.au/data-and-publications/2020-offshore-petroleum-exploration-acreage-release>.



## What sets MapStand's data services apart?

Our sales team frequently get asked, "what's so different about MapStand?"

### Frequency:

Our datasets are updated multiple times a day.

### Transparency:

Data source and quality tagged against individual records. Data you can trust. And know when not to.

### Accessibility:

Stream our data straight into your own systems.

Multiple download options ranging from Shapefile, Geojson, Excel, CSV, WMS, WFS and more..

### GIS Replacement:

Create online maps, dashboards and upload your own layers using the online mapping functionality within the MapStand Hub.

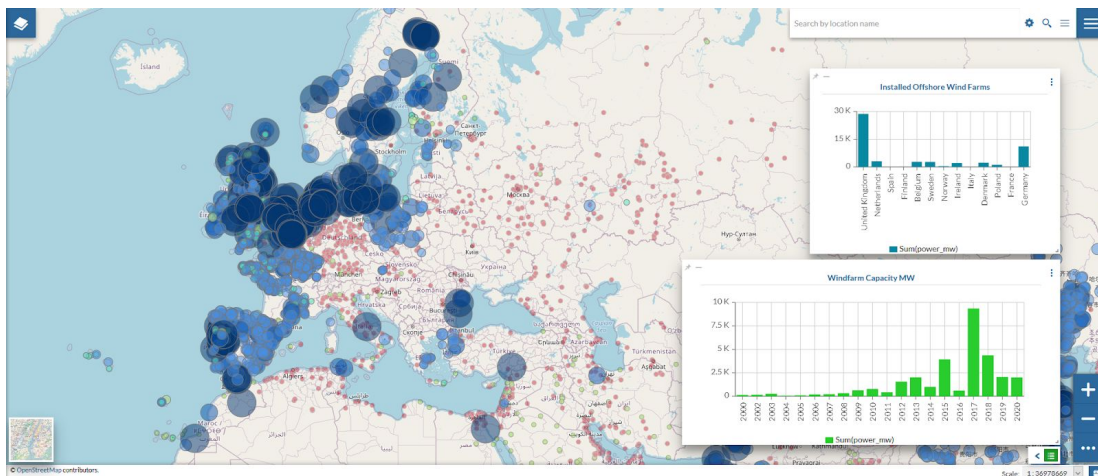
### Licensing:

Perpetual license. Keep the data forever - even after the subscription ends.

### Pricing:

Great value datasets.

Get in touch for a demo and a quote today: [support@mapstand.com](mailto:support@mapstand.com)



Analysis of European Wind Farms utilizing the MapStand HUB Platform



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