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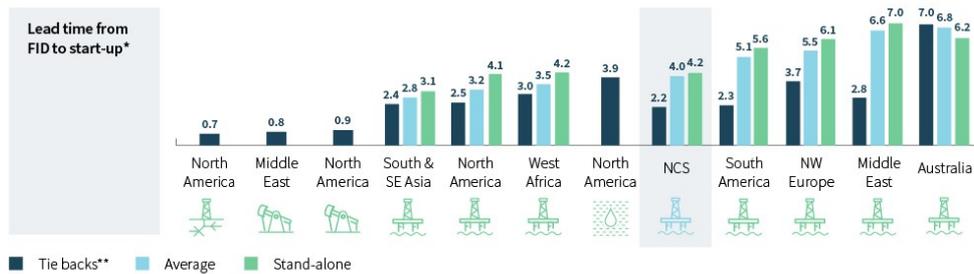
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Reduction of lead time increasingly important

The lead time, measured as time from investment decision to production starts, is an increasingly important parameter when sanctioning new investments. Shorter lead times reduce uncertainties related to product prices, costs for emitting GHG gases, and policy development.

Onshore developments within conventional and shale stand out as the projects with the lowest lead times. The NCS is on the average compared to other offshore provinces on this metric. However, tie-backs to hubs, which is a very important field development solution on the NCS, compare very favorable to other offshore regions.

Figure 39. Lead times from investment decision to production start-up for O&G regions (Rystad Energy, 2021)



* Lead time from FID to production start-up. Fields with start-up from 2015 – 2020 are included. Error margin of +/- 0.5 years. Weighted average
 ** Tie-backs includes subsea tiebacks, wellhead platforms and extended reach.

Some field development methods on the NCS offer lead times that are at par with the best industry performance. Well interventions and infill wells are examples that provide volumes with lead times ranging from months to less than 2 years.

Figure 40. Some field development methods provide competitive volumes at low cost and with short lead times (Rystad Energy, 2021)

	Different ways to add volumes	Lead time (Years)	Capex per well (MUSD)	Drilling emissions* (Tons CO ₂ per well)	
Shale	Shale	0.5–1 years	~7 MUSD	~280	
	Interventions				
Interventions	Dry interventions	2–9 months	Likely below shale	Varying, but limited	
	Wet interventions	9m–1.5y ~280	Likely slightly above shale	~2100	
Infill	Infill wells drilled with platform unit	5m–1.5y	Likely similar to shale	~1000	
	Subsea slot recovery	1–2y		~2450	
	Infill wells drilled with offshore rigs	1–2y		~3500	
New developments	Subsea tie-backs or wellhead platforms	2–3y		~3500	
	Fixed	3–5y		~2300	
	Floaters	Redeployment ~2 years	2–6y	30–50 MUSD	~4650
		Standardized FPSO ~4 years Custom floater 3–6 years			

When considering new technology, the ability of the new technology to reduce lead time and accelerate production should be included.

→ Forrige side

→ Neste side