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- ☐ Overview structures of PPAs vs. FIT
- ☐ Drivers from O&M perspective for improving the value of a PPA
- ☐ Special view on prices this Winter and how to secure Market value



OVERVIEW



A large portfolio of managed assets, proven expertise and global capability to provide market access, asset optimisation, risk management, supply and logistics services



Worldwide interests stretching from Australia to China, France, Japan to the UK, Canada and the US



Around 800 employees located in Europe, the United States, Canada and Asia Baa2

A Baa2 credit rating from Moody's

€3 BILLION

Shareholders equity of €3 billion



Active in the electricity, natural gas, LPG, oil and environmental products markets. Also active in the coal and freight and LNG markets via JERA Global Markets. 100%

A 100% owned subsidiary of EDF S.A., the world's biggest electricity generator



Principal business locations: Europe (London, Paris), North America (Houston) and Asia (Singapore)



Overview PPA vs. FIT

FIT (feed in tariff)	
☐ Fixed subsidy level: a) subsidy auction: b) Predefined subsidy	
PPAs (Pay as produced)	
□ Physical PPA	
 New build PV assets: directly entering a PPA instead of subsidy; GOOs can be generated existing PV assets: voluntary leaving the subsidy scheme for existing assets; GOOs can be generated 	
☐ Financial PPA	
 Comment: In markets like Spain, Italy, Nordic, financial products are much more common as it separates for Hourly spot indexed PPA: the Solar PV Asset is staying in the subsidy regime and can fix a higher level for level. The physical direct market access contracts stays untouched Market value PPA: Asset secures the monthly Market premium for periods, that are above the subsidy lever value PPA, taking all physical and volume risks Both financial products can work for existing or new build Assets 	periods, that are above the subsidy
☐ Advantage of the financial PPA:	
 □ No exit of subsidy schemes is required; No nomination to TSO, procedure with DMA (direct market provided As not all DMA provider can do PPAs, a higher market competition can be achieved 	er) can stay untouched
□ Advantage of Physical GOO: □ The green value of the GOO can be generated, not entirely higher interest for industry.	From fixed subsidy to Market based value
The green value of the GOO can be generated; potential higher interest for industry	



Drivers from O&M perspective for improving the value of a PV PPA

Ex	isting assets and new build assets:	Additional for new build Asset:			
	Tracker system to produce in ramping hours			Certified hourly yield forecast	
■ Open, standard, and stable Scada system with accessibility for PPA offtaker		C		Commitment to high quality ranking of envisaged main components within PPA	
☐ Reliable online data availability			Grid-connection study with potential outage ar		
	Clean and long historic production time-series			curtailment risks	
	incl.			Less relevant for the PPA value: the overall	
	☐ Grid-Curtailments			yield (efficiency)	
	☐ Outages			Transparent economic model of the SPV	
	Other modulation of production				
	(Insurance for technical availability)				
	Long life-guarantees on technical components				
	High quality of O&M contract				
	☐ Speed of outage recovery				
	☐ Continuous maintenance				

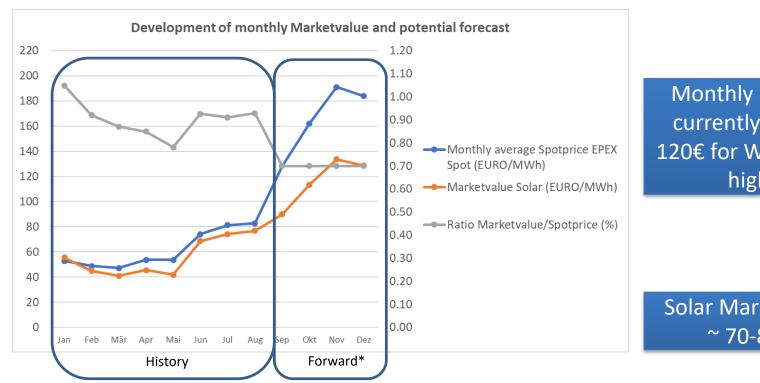
Investment in above aspects can increase the PPA value; The more risks the PPA-offtaker shall take, the more he will compensate for investment in reliability



Replacement components available

Financial statements of the SPVs

Special view on prices this Winter and how to secure Market value



Monthly Market value is currently forecasted 90-120€ for Winter 2021*; but highly at risk

Solar Market value Sum 22*:
~ 70-80EURO/MWh

EDFT offers to secure the monthly market value on forward basis via financial product: alternatively a physical PPA would work as well

