

Corrigendum to “A technical review on the energy yield estimation of offshore floating photovoltaic systems” [Renew Sustain Energy Rev, 216 (2025), 115596] (Renewable and Sustainable Energy Reviews (2025) 216, (S1364032125002692), (10.1016/j.rser.2025.115596))

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Important note

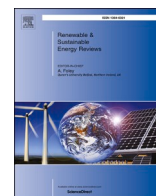
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Corrigendum to “A technical review on the energy yield estimation of offshore floating photovoltaic systems” [Renew Sustain Energy Rev, 216 (2025), 115596]

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The authors have operated a few minor modifications in response to helpful feedback received post-publication from the readership. These updates are solely intended to clarify certain aspects of the article and enhance its overall readability. The first update concerns the caption of Fig. 7, which has been revised to improve clarity for readers through the addition of explanatory notes. The second update pertains to the Technology Readiness Level (TRL) of a technology developer in Table 3, which has been updated based on the latest provided information. As a

derivative of this change, Fig. 8(a), that is a visual representation of Table 3, has also been updated to reflect the revised TRLs. Additionally, the note in the caption of Table 3 has been slightly modified for improved clarity. These modifications do not affect the outcomes, analysis, or conclusions of the article and are solely intended to improve clarity for readers and consistency with respect to most recent information.

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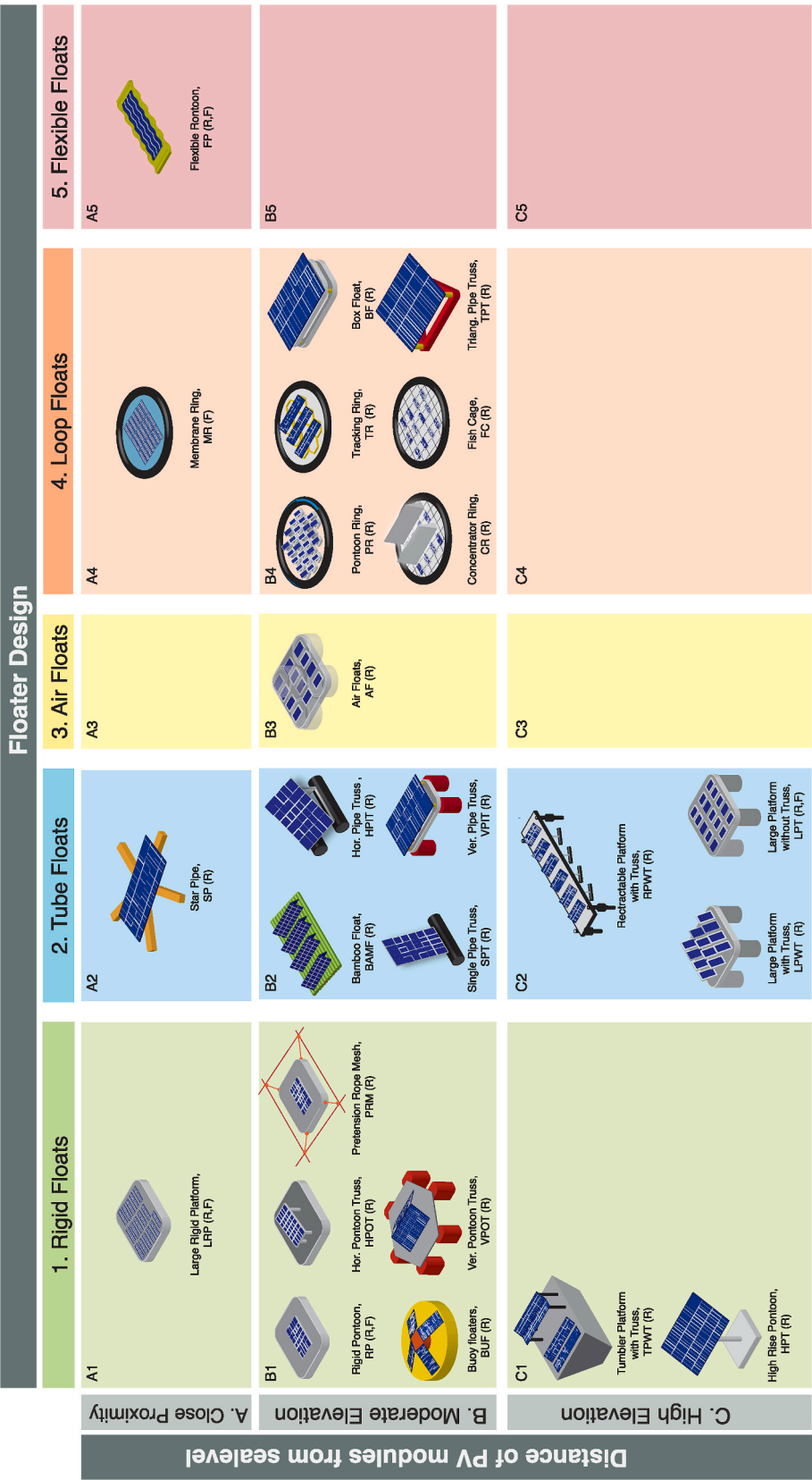






















































Fig. 7: Proposed classification framework. FPV designs compiled and classified based on research publications and designs used by technology providers. Note: (i) each reported archetype can be technically made modular with companies deploying different (proprietary) solutions for

upscaling the surface coverage of the farm; (ii) the adjective “large” in the acronym “LRP” is related to the area of the floater as a surface that is at least bigger than one PV module.

Table 3: TRLs of different FPV archetypes hosted by different organisations. Note: This table shows the TRLs based on publicly available

information and represents a snapshot in time. The TRLs are subject to change over time and may not reflect the most up-to-date values.

Archetype #	Organisation	Country	Organisation Type *			Criteria **							TRL	
			TP	RO	TD	Pub.	Pat.	Lab.	Pil. I	NS/OS	Comm. I	NS/OS	Inland	Offshore
AF (R)	Technische Universität Wien [71]		×	✓	×	✓	×	→	×	×	×	×	✱	2-3
CR (R)	Infratech industries [72]		✓	×	✓	×	×	?	✓	×	×	×	3-5	✱
FP (F)	Mirarco [9]		×	✓	×	✓	×	×	×	×	×	×	1-2	✱
	Bluewater [73-75]		✓	×	×	×	✓	✓	×	→	×	×	✱	4-5
HPIT (R)	DNV (SUNdy) [76]		✓	×	×	×	✓	×	×	×	×	×	✱	1-2
	Floating solar B.V. [77]		✓	×	✓	×	×	?	✓	×	✓	×	5-7	✱
HPOT (R)	Swimsol [78,79]		✓	×	✓	✓	✓	✓	×	✓	×	✓	✱	4-6
	Akuo Industries [80]		✓	×	✓	×	×	?	✓	×	✓	×	5-7	✱
	BayWa r.e [81]		✓	×	✓	×	×	?	✓	×	✓	×	6-8	✱
	Bouygues energies services [82]		×	×	✓	×	×	×	✓	×	×	×	5-7	✱
	Bryo SpA [83]		×	×	✓	×	×	×	✓	×	×	×	4-5	✱
	Celemin Energy [48]		✓	×	×	×	×	×	×	×	×	×	1	✱
	Chenya energy [84]		✓	×	✓	×	×	?	✓	✓	✓	✓	6-7	6-7
	Groenleven [85]		✓	×	✓	×	×	?	✓	×	✓	×	6-7	✱
	HelioRec [86-88]		✓	×	?	✓	✓	✓	✓	×	×	×	4-5	4-5
	Innosea [89]		×	×	✓	✓	×	✓	✓	?	✓	×	6-8	✱
	Intech clean energy [90]		✓	×	✓	✓	→	?	✓	×	→	×	4-6	✱
	Kyoraku Co. [91-93]		✓	×	✓	✓	✓	?	✓	×	✓	×	6-8	✱
	LS industrial systems Co. [94,95]		✓	×	✓	✓	✓	?	✓	×	×	×	6-7	✱
	Masdar [96]		?	×	✓	✓	×	×	×	×	✓	×	4-6	✱
	Isigenere [97-99]		✓	×	?	✓	✓	✓	✓	×	✓	×	7-8	✱
	Mibet energy [100]		✓	×	✓	✓	✓	✓	✓	×	✓	×	7-8	✱
	Narime Qihua [101]		×	✓	×	✓	×	?	✓	×	×	×	4-5	✱
	NEMO Eng [102]		✓	×	×	✓	✓	✓	✓	×	✓	×	5-6	✱
	Nova innovation [103]		✓	×	✓	✓	×	×	×	→	×	×	✱	3-4
	NP Solar [104,105]		✓	×	✓	✓	×	×	×	×	✓	×	4-7	✱
	NRG energia [106-109]		✓	×	✓	✓	✓	?	✓	×	✓	×	5-7	✱
	Profloating [110-114]		✓	×	✓	✓	✓	✓	✓	×	✓	×	7-8	✱
	Solinoor B.V. [115]		✓	×	?	×	×	✓	✓	×	✓	×	7-8	✱
	PV-floating Zimmermann [116]		✓	×	✓	✓	×	?	✓	×	✓	×	7-8	✱
	Sumitomo Mitsui [117-119]		✓	×	✓	✓	×	✓	✓	×	✓	×	7-8	✱
	SCG Chemicals [120-124]		✓	×	✓	✓	×	?	✓	×	✓	×	6-7	✱
	Sungrow [125]		✓	×	✓	✓	?	✓	✓	✓	✓	×	7-8	3-5
	Vikram solar Ltd [126]		×	×	✓	✓	×	×	✓	×	×	×	5-6	✱
LPWT (R)	SeaVolt [127]		✓	×	✓	✓	→	✓	×	✓	×	×	✱	4-5
	Solarduck [128-134]		✓	×	✓	✓	✓	✓	×	→	×	×	✱	5-6
LRP (R)	Oceans of energy [135-138]		✓	×	✓	✓	✓	✓	×	→	×	×	✱	6-7
MR (F)	4C solar [139]		✓	×	×	×	×	?	→	×	×	×	2-5	✱
	OceanSun [140-144]		✓	×	✓	✓	✓	✓	✓	→	✓	×	6-7	4-6
PR (R)	Solaris float [145-148]		✓	×	✓	✓	✓	✓	✓	×	×	×	5-6	✱
PRM (R)	FredOlsen 848 [149]		✓	×	✓	×	?	?	×	✓	×	×	✱	4-5
RP (R)	Sunlit Sea [150,151]		✓	×	✓	✓	✓	✓	✓	×	×	×	4-5	✱
SPT (R)	Sunfloat B.V. [152]		✓	×	?	✓	×	?	✓	×	×	×	4-5	✱
TPWT (R)	Scotra [153]		✓	×	✓	✓	×	?	✓	×	✓	×	7-8	✱
VPOT (R)	Moss maritime [154,155]		✓	×	✓	✓	✓	→	×	→	×	×	✱	3-4
	Novar [156]		✓	×	✓	✓	×	?	→	×	×	×	3-4	✱
	SolarinBlue [157-159]		✓	×	✓	✓	✓	✓	×	✓	×	×	✱	5-6
BF (R) HPOT (R), RPWT (R), SPT (R)	SINN power [160]		✓	×	✓	✓	×	?	✓	×	×	×	4-5	✱
HPIT (R) FC (R)	Sunrise [161]		✓	×	✓	✓	?	?	×	?	×	×	✱	3-4
HPIT (R), CR (R)	Upsolar [162,163]		✓	×	✓	✓	✓	?	✓	×	×	×	5-6	✱
HPOT (R) TPT (R)	Ciel et Terre [164-168]		✓	×	✓	×	✓	✓	✓	✓	✓	×	6-9	3-5
VPOT (R) VPIT (R) BF (R)	CIMC raffles [169-174]		✓	×	✓	×	✓	✓	×	✓	×	×	✱	4-6

|| Symbol definitions: ✓ - Yes, × - No, ? - Not certain, → - In process, ✱ - Not the intended application.

The FPV archetype abbreviations can be referred to Fig. 7

* TP - Technology provider, RO - Research organisation, TD - Technology deployer

**Pub. - Publication showing the concept, Pat. - Patent granted/applied, Lab. - Performed lab-scale testing, Pil. - Installed a pilot project, Comm. - have commercial installations on operating site, I - Inland conditions, NS - Near-shore conditions, OS - Offshore conditions.

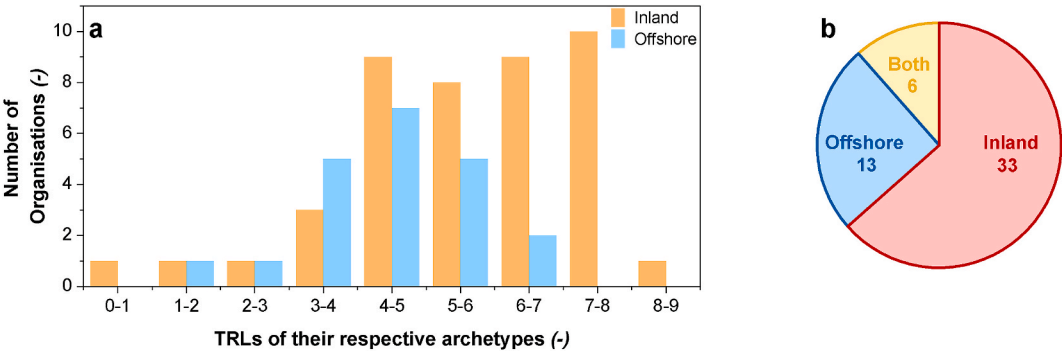


Fig. 8: Current technology readiness landscape. (a) The trend of TRLs for inland and offshore solar deployments, (b) number of organisations working on inland and offshore solar deployment. Data derived from Table 3.