



## TECHNICAL SUBMISSION DOCUMENT

<b>Shield Contract Number: 4256</b>	<b>TS Number: 17.00</b>	<b>Date:14/04/21</b>
<b>Location</b>	PV System	
<b>Type of Equipment and Description</b>	<p>Supply and Installation of PV system.</p> <p>PV system to be installed into MSP-1 located within the electrical intake room G09. The system shall be installed to the roof of the one storey building and shall be designed to produce a normal peak power 19.1 kWp, an anticipated energy generation 17.4 MWh/annum with a percentage building emission reduction of 4825kg CO2/annum output based on the design calculations for the building form, orientation and location.</p> <p>PV system to have a Modbus meter for energy metering on the BEMS system.</p> <p>Lightning protection system to be installed if required &amp; tested prior to handover but we believe the rails and the clips to be continuous with the roof.</p>	
<b>Specification Pages</b>	P6-14	
<b>Supplier / Manufacturer</b>	Photon Energy	
<b>Technical Data Attached</b>	As per Data Sheets	

<b>Submitted By:</b>	S.Cox
<b>Technical Comments / Approval status:</b>	



<b>Comment / Approval date:</b>	2 weeks
<b>Proposed lead time / impact on programme:</b>	

**Circulation:**

	<b>Also Attached TSD Schedule - Mechanical &amp; Electrical</b>