

RISK ASSESSMENT

Risk Assessment Details

Company Name:	SSWUK Ltd	RAMS No. Pre Lim 001
Location:	Pythouse Farm, Newton, Tisbury, Salisbury SP3 6PA	
Tasks/activities:	Ground Mount Frames and Solar panel Installation	
Start Date / Duration	TBC	
On site contact:	Emma Worth [REDACTED]	
SSW Ltd Contact	Joe Hartley [REDACTED]	

Risk Assessment Sign Off

Prepared by:	Jon Collins	Signature:	[REDACTED]	Date:	08/01/2025
Reviewed by:	Joe Hartley	Signature:		Date:	
Approved by:		Signature:		Date:	
Review:	This risk assessment should be reviewed if additional risks not covered are identified or if there is any reason to suggest that the control measures are deemed to be insufficient.				
Review Date		Reviewed by:	Jon Collins	Signature:	
		Reviewed by:		Signature:	

SITE SPECIFIC HAZARDS

Enter details

- There are overhead lines to be aware of
- There is also poultry on site
- Any further hazards will be listed after the site survey

- **If anything on site does not fall within these RAMS or you feel anything is not safe, do not continue working and call the office for advice.**

Site Access



Personal protective equipment (PPE) assessment

In many instances, you will be able to reduce risks further by asking staff/others to wear/use PPE. You should identify which items are required for the task here:

Which tools are required for the task here?							
Type of PPE:							
	Standard Hard Hat	Safety Footwear	Eye Protection	Gloves	High-visibility vest		
	YES	YES	YES	YES	YES		
Additional requirements (List here):	All site workers will wear safety boots, high visibility vest, hard hat and protective clothing at all times, other items of PPE such as full body harnesses are to be worn at all times when using a cherry picker.						
Note. PPE must only be considered as, when other control measures, such as guarding, local exhaust extraction, preventing noise at source, eliminating the need to work at height etc. are not possible. PPE should always be considered as a last resort option. PPE should only be worn when there is reasonable justification for doing so.							

Tools and Equipment

This risk assessment should be reviewed if additional risks not covered are identified or if there is any reason to suggest that the control measures are deemed to be insufficient.

Equipment					
	Impact Driver	Hop-Up	Steps	Telehandler	Skid Steer
Usage	Fixing rail & panels	Access to working area	Access to working area	Loading materials	Loading out modules in the field
Permitted Use	Only buy trained and competent persons	Only buy trained and competent persons	Only buy trained and competent persons	Only buy trained and competent persons	Only trained and competent persons
Vibration					
Noise					

COSHH

This risk assessment should be reviewed if additional risks not covered are identified or if there is any reason to suggest that the control measures are deemed to be insufficient.

Substance				
COSHH data sheet attached	YES	YES		
Usage	Fuel for Plant	Grease for Plant		

General Precautions

Preparation and Induction	A risk assessment will be carried out for relevant tasks which will be discussed with all members of staff, any queries or concerns will be raised with the supervisor who will ensure it is dealt with. Staff will be inducted onto the site in order to understand the hazards present and the tasks that are to take place. Staff will also be advised of other site activities that could impact on their work and be made aware of any liaison that needs to take place between different trades. Staff will follow all site rules and safety procedures. All staff will be made aware of all emergency procedures on site, fire alarms, muster points first aid points etc.
Access and Egress	Site Access and Egress The Client is responsible for providing safe access and egress to the site, SSW engineers will ensure safe access and egress is maintained for themselves and other contractors in the area they are working in. Good standards of housekeeping will be maintained at all times. Access routes will be sign posted and barriers will be put in place around the work area.
Material Handling	Manual handling techniques must be employed as per training including team lifting where necessary and mechanical aids must be used whenever possible.
First Aid	It is the responsibility of the company (SSW) to ensure adequate first aid provision for its staff. Adequate means provision of a trained first aider, suitable first aid equipment and/or the provision of an appointed person at the minimum. A trained first aider will be a suitable person who has attended an HSE approved course, and he/she will re-train at least every three years. An Appointed Person is a person provided by the employer to take charge of the situation (e.g., to call an ambulance or to take the injured person to the local A&E)

	if a serious injury/illness occurs in the absence of a first aider. The Appointed Person can render emergency first aid if trained to do so.
PPE	PPE will be provided as a last form of protection against a hazard. Staff will use the appropriate PPE for the task as identified in the risk assessment. All site workers will wear safety boots, high visibility vest, hard hat and protective clothing at all times.
Welfare	Supplied by client
Tools and Electrical Equipment	All tools and equipment will be visually inspected on a regular basis, defective or damaged equipment will be removed from service. Power tools to be ELV battery operated. Test equipment is to be calibrated with current certification.
Working at Height	All employees and sub-contractors are made aware of the dangers and consequences of falling from height, all working at height will be properly planned, organised, and supervised. Only competent members of staff will be allowed to work at height, and it is the responsibility of the site supervisor to ensure conditions are safe before allowing any work at height to take place. The site supervisor will carry out a risk assessment before carrying out work at height and put in place equipment and measures to prevent falls occurring. Where he cannot eliminate the risk of a fall, he will put in place measures and equipment to minimise the distance and consequences of a fall, should one occur. All company access equipment will be inspected and recorded on a regular basis and any damaged equipment will be withdrawn from service immediately and reported to the Site supervisor. Steps/Ladders/Hop-Ups These are only to be used for short periods of time and must be set up on sound level ground and must be tied or toed at all times. Ensure the steps are close enough to the job so there is no need to overreach there must be three points of contact maintained at any one time.
Tenants Warning & Safety	It will be the responsibility of the principal contractor to inform Tenants of works being carried out, SSW UK LTD staff will liaise with tenants prior to starting and during the works to ensure they are aware of the risks that will be present during the contract. Special attention will be paid where there are elderly, infirm or children present. Safe access and egress for tenants will be erected and maintained. SSW UK LTD staff will not leave any area of work in a dangerous condition or with risks to themselves, tenants, and other contractors. SSW UK LTD will liaise with other contractors on site for the purpose of exchanging information regarding work schedules and safety.
Lone Working	There is to be no lone working on this site.

Method Statement

General Preparation

- Ensure all equipment to complete the task is available
- Report to site office, sign in and receive a site induction and receive a permit to work (where required)
- Ensure that your job specific RAMS have been read, understood and signed.
- Ensure you are aware of the activities, H/S procedures that may affect your work on the site and how your work may impact on the site's operation.
- Put on personal protective equipment and discuss daily work tasks to be undertaken with staff
- Inform relevant persons of start of works
- Liaise with the client and any other contractors that may be on site to ensure safe operation
- Cordon off work area if practical and necessary to do so.
- Ensure the area to be worked and exit points are clear of obstruction
- Ensure that safe access and egress is maintained

Safety Gear: Always wear appropriate personal protective equipment (PPE) such as safety glasses, gloves, and non-conductive footwear.

Weather Awareness: Be aware of weather conditions, especially if working on the roof. Avoid working during inclement weather such as rain, snow, or high winds. Never work if there is a risk of lightning.

Equipment Inspection: Inspect all tools and equipment for any damage or defects before use. Use insulated tools when working on live electrical systems.

Material Handling

All materials will be unloaded to a designated unloading area with use of telehandler by a competent operator (IPAF or equivalent) assisted by a banksman. The unloading area must be cordoned off to prevent unauthorised access, such as pedestrians. The area will be kept tidy to minimise trip hazards. Materials as and when required will be collected from the storage area and transferred to the work area. All staff will take care when handling materials and will use mechanical aids wherever possible. When stacking materials particular care must be taken to ensure that the stack is secure, and that the product does not get damaged.

Solar Southwest staff will utilise telehandler and a skid steer to manoeuvre heavy items such as modules and rail around the site. All operators will have received suitable training in the use of such equipment. All operatives should be trained in manual handling techniques and should ask for assistance as required. Extra care should be taken in windy, rainy, icy or snowy conditions. The site supervisor will decide when the weather conditions become unsafe, and work should be suspended. No loose loads are to be left raised and unattended. Operatives will ensure that ratchet straps are used to keep stack in place whilst unloading. Extra care should be taken during wet muddy weather. Make yourself aware of any overhead or underground services that may be present.

Rail Installation	When installing the rails and associated framework, follow the manufactures installation manual. This may include torquing and marking each connecting nut and bolt. When moving rail around the site be aware of other operatives, plant and possible overhead cables
Ground Mount Solar Panel Installation	- Take care when opening the boxes of panels so they do not collapse on personal. - The stack must be propped against the pile or set in a pallet frame. - Two-person lifting must be used when handling the solar panels. - Set up a string line at both ends of the framework to ensure the modules are fitted in a striate line. - Offer the first module up to the string line. When you are happy with the position fix the module into place using the proprietary fixing clamps, tightening to the correct torque and marking as necessary. - The modules should be handled with great care and gently placed on to the framework to avoid damaging the modules. - Tidy work area and remove all debris to designated waste area

Risk Matrix								
Risk rating guidance	Likelihood (L)	5	5	10	15	20	25	Likelihood (L) x Severity (S) = Risk rating (RR).
		4	4	8	12	16	20	
		3	3	6	9	12	15	
		2	2	4	6	8	10	
		1	1	2	3	4	5	
			1	2	3	4	5	
		Severity (S)						
Acceptability of risk guidance	High risk: 15-25	High-risk activities should cease immediately. Further effective control measures to mitigate risks must be introduced.						
	Medium risk: 8-12	Medium risks should only be tolerated for the short term and only whilst further control measures to mitigate the risks are being planned and introduced.						
	Low risk: 1-6	Low risks are largely acceptable. Where it is reasonable to do so, efforts should be made to reduce risks further.						
Guidance. When completing a risk assessment, you should:	1. Identify the persons at risk and the significant hazards. 2. Calculate an initial RR for the activity. 3. Identify risk control measures that reduce the risks to an acceptable level. 4. Calculate a revised RR - you should consider how much safer the task will be if the control measures are followed. Here, you should consider changing both the likelihood (L) and the severity (S) ratings.							
Note. Ideally, you should look to reduce the risks so that the task can be classified as “low risk”.								

Risk assessment – Solar PV Installation									
Activity	Persons at risk	Significant hazards	Initial			Risk control measures	Residual		
			L	S	RR		L	S	RR
Access & Egress	SSW UK LTD Employee s, Sub Contractors, Client Staff, Visitors	Death, Serious & Minor Injuries	4	5	20	- Always wear Hi Visibility clothing - Be aware of your surroundings - Watch out for plant and vehicles moving around site	3	2	6
Working at Height	SSW UK LTD Employee s, Subcontractors, Client Staff	Serious injury, caused by incorrect selection and use of equipment Being overcome by fumes from vents/ chimneys on roof	4	5	25	- Lone workers are not permitted to work at height. - The selection of suitable working at height equipment will be properly planned with due consideration to site specific risks, duration of exposure and nature of work. - Any ladders or steps being used must be toed or tied - Ladders may only be used for access and not carrying tools or materials - Three-points of contact must be maintained. - Beware of any overhead cables and do not work within 5Mts of any lines - Be aware that when handling long items such as cleaning poles it may be possible to come into contact with the overhead cables.	1	5	6
Falling Objects	SSW UK LTD Employee s, Sub Contractors, Client Staff, Visitors	Bruising, Cuts, Broken Limbs, Death.	4	4	16	- Close the area off with barriers where items may fall from overhead work. - Ensure use of suitable PPE - gloves, to prevent cuts and provide adequate grip. Hard hat, protective boots and safety glasses to protect against falling objects etc.	1	4	4
Inclement Weather	SSW UK LTD Employee s, Sub Contractors, Client Staff	Illness, increased risk of slips, trips or falls, especially when working at height.	4	4	16	- The site manager/supervisor is responsible for suspending work if weather conditions make the task unsafe. - The site manager will be responsible for ongoing assessment of weather conditions and decision to suspend activities. - Work should not continue in high winds or when there is a risk of lightning. - He correct PPE should be selected for the weather conditions	1	4	4

						- Wet or icy weather can make the roof slippery. - Bright sunshine can impede vision. - Panels and roof sheets can become hot enough to cause burns to the skin			
Slips, Trips & Falls	SSW UK LTD Employee s, Sub Contracto rs, Client Staff	Bruising, Cuts, Broken Limbs - Caused by items left on the floor, water, oil and other slippery surface or poor footwear	4	3	12	- All staff will keep the working area tidy and remove trip hazards as and when they occur. - Staff must wear suitable footwear with non-slip soles. - Good house keeping	1	3	3
Manual Handling	SSW UK LTD Employee s, Sub Contracto rs, Client Staff	Muscular skeletal disorders - Twisting, Over-reaching, muscular problems, poor techniques load too heavy.	4	3	12	- All staff have been trained in correct lifting methods. - Team lifting to be used when loads are heavy or awkward. - Follow the specific manual handling RAMS for sola panels - Refresher training to be given where needed or when the job changes. - Reduce weight of load where possible by breaking it down. - Use of suitable mechanical aids to assist with lifting and moving. - Check the roof area is free from debris and trip hazards - Suitable personal protective equipment to be worn, e.g. safety boots/shoes, gloves, etc. - Working practices to be reviewed to reduce repetitive handling of loads. - Allowance made for adequate rest breaks or changes in tasks. - Mechanisation of the task to be considered - Working practices for operatives who may have physical weaknesses or disabilities to be reviewed. - Sufficient information to be provided on the tasks that such operatives are given. - Do not continue work in windy conditions as high winds can destabilize loads - Evaluate individual lifting capabilities; assign tasks based on fitness/experience. Limit number of lifts per hour to reduce fatigue. - Rotate staff to avoid overexertion.	1	3	3

Site Waste Management/Cleanlines	SSW UK LTD Employees, Sub Contractors, Client Staff	Risks to local environment.	4	2	8	- All waste materials and debris will be removed from site by the operative and placed in the correct skips - No waste to be stored in the field	1	5	5
Contact with plant equipment	SSW UK LTD Employees, Sub Contractors, Client Staff	Death, crushing, serious injury	4	5	20	- Restrict all works in the vicinity of overhead cables - Cordon off area around skid steers and telehandlers working on this site - Pedestrian walkways must be set up to keep people away from plant.	1	5	6
Hand Tools and power tools (use)	SSW UK LTD Employees, Subcontractors, Client Staff	Bruising, Cuts, Eye damage - Improper use of hand tools and use of defective hand tools are common causes of minor injuries. Serious injuries may be caused particularly through failure of the tool e.g., mushrooming of chisel heads. Vibration White Finger Syndrome (HAVS)	4	4	16	- The supervisor will monitor weather conditions and will stop any activities that cannot be controlled and managed safely. - All hand tools are kept in tool bags/boxes when not in use. - All hand tools should be in good condition and must be inspected prior to use. - Ensure all tools to be used are in good condition i.e., no loose or damaged parts. - Ensure the correct tool is used for the task e.g., do not use screwdrivers as chisels. - Operatives must be deemed competent to use relevant hand tools. - When using sharp knives, cutting direction should be away from the body. - Any vibrating tools should be used for short periods of time. Any symptoms should be reported to Site Supervisor and work should stop. - Operatives must be briefed of the dangers and how to identify HAVS - All tools must be in good working order	3	2	6

Skid Steer	SSW UK LTD Employee s, Sub Contractors, Client Staff	Death serious injury.	4	4	20	- Banksman to be used where appropriate. - Ensure the skid steer cannot be caught or impact any overhead obstructions. - On discovery of any fault, the machine will be withdrawn from service until rectified or replaced. - Refresher training to be given where needed or when the job changes. - Suitable PPE to be worn, e.g., safety boots/shoes/harness, gloves, etc. - A banks man to be in attendance at all times - A documented traffic management plan to be in place. - Signs and barriers to be installed to warn other staff/persons in the area. - Designated walkways for pedestrians to be clearly marked	1	4	6
Using a Telehandler	Operator and Others	Overtuning causing serious physical injuries	4	4	20	- Machine to be operated on level, stable ground only. - A traffic management plan to be in place so that machine operators are aware of the designated routes. - Great care is to be taken when unloading lorries and whilst taking loads out into the field. - A documented traffic management plan to be in place. - Signs and barriers to be installed to warn other staff/persons in the area. - Designated walkways for pedestrians to be clearly marked	1	4	6
Contact with overhead power lines (OHPL)	Operator and others	Electric shock, burns or death	5	5	25	- Confirm no OHPLs on route to or at the location where work is to be carried out. - Where there are OHPLs on route or near where work is to be carried out, confirm the height of the telehandler and the raised telescopic boom is below the vertical clearance distance(s). - Ensure the implement does not come within 6Mts of any poles, pylons or stay wires, as required by the Energy Networks Association. - If equipment makes contact with OHPLs, operator MUST remain within the cab ensuring they do not touch metalwork and are to call for assistance using a mobile telephone.	2	3	6

						- Electrical networks providers are to disable power before the machine and operator can be removed. - Take extra care when using long cleaning poles ensure they are at least 6Mts away from any OHPL			
Vehicles on site	SSW UK LTD Employees, Sub Contractors, Client Staff	Crushing injuries, Death	4	4	16	- Vehicle manoeuvring to avoid reversing vehicles wherever possible. - Setup traffic flow system, site speed limit and unloading area. - Drivers remain in their cabs unless appropriate PPE is worn such as high visibility clothing. - Site traffic routes are observed to separate pedestrians and vehicles - Trained banksmen or reversing assistant is present if reversing is unavoidable. - Persons not associated to loading and unloading are away from the working area. - On/Off site routes are clearly marked.	2	2	4



Name

Sign

I the undersigned accept will apply the above control measures in my tasks:

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