

RISK CHECKLIST

What to ask contractors to mitigate rooftop solar installation risks

Health and safety (HSE) risks

- What sort of individual safety measures do your workers take, including wearing helmets and harnesses?
- What sort of collective safety measures do your workers take, such as installing rooftop railings or fencing?
- Have your workers completed a Working at Height training and other safety training?
- How do you plan for lifting, for example, with loading zones and warning signs?
- How many incidents or near misses have you had in the past year?
- In the case of an accident or injury, what is your emergency response protocol?

Roof damage risks

- What precautions do you take to prevent damage to the roof?
- Do you carry out structural assessments as part of the installation phase?
- Do you compile a roof protection plan prior to installation?
- Do you use building roof protection at landing zones? Do you, for example, line runways and landing zones with rubber mats or foam boards?
- How do you protect skylights (if applicable for your roof)?
- How do you prevent leaks?
- Do you employ a roof damage and repair tracker to log damages and when they are fixed?

Fire risks

- Do you comply with local building codes and regulations to mitigate fire risks?
- Do you employ incremental commissioning?
- Do you design the installation to ensure firefighters can easily access the roof, taking into account stairway placement?
- Do you take firewalls into consideration when designing the installation?
- Do you ensure solar panels are not installed near flammable materials or sources of ignition?
- Do you mark entrances with signs that indicate that there are solar panels on the roof?
- Do you label which power lines are connected to the solar system, and where the different components are?

Production interference risks

- Do you conduct a switchgear assessment?
- Do your inverters have technology that adapts to the site so that it shuts down if there is a fault at factory level?

Interested in learning more about rooftop solar? Visit www.alight-energy.com/onsite-solar.