Investment Confidence

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COMMERCIAL ROOFTOP SOLAR SAFETY

Rooftop Solar's Unspoken Truth: Fires and Safety Risks Are Uncomfortably Common

Energy produced by solar PV has become one of the most cost-effective ways to produce energy. However, the risks present on commercial-scale solar rooftops are alarmingly real.

Of the **600+** rooftops CEA has inspected, **97%** have significant PV safety risks.

Component-Level Issues Pose Serious and Immediate Fire Risk

Wires on sharp edges

Poor termination

Mismatched connectors

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3 Common Causes and What You Can Do Today:

1. Inaccurate or incomplete connector information

Connector manufacturers often inaccurately list their products as compatible with other connectors.

2. Inconsistent and widely varying installation practices

Employment in solar more than doubled over the past decade and is growing 5X faster than the overall job market, frequently requiring rapid on-the-job training.

3. Conflicting motives between O&M providers and system-owners

Installation is often completed by your contractor's contractor's contractor, whose incentives may not be aligned with long-term performance and safety.

How to Identify and Resolve Rooftop Solar Fire Risks

Step 1: De-Energize Site

Step 2: Perform an In-Depth Visual Inspection and System-Off Tests

Step 3: Perform System-On Inspections

Diagnose and Set Up Long Term Success

Select equipment and service providers

Develop specifications and standards

Conduct post-installation audit

CEA is uniquely capable of developing a solid strategy to mitigate your fire risks. We bring a systemic and holistic approach to identify risks before they show up.

CEA