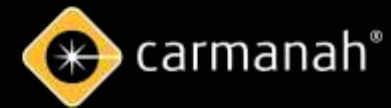# Advanced technology powered by the sun

carmanah®

Over 150,000 solar airfield lights deployed around the globe

Why Solar?

- ☑ Independent
- ☑ Reliable
- ☑ Low-maintenance
- ☑ Low-power
- ☑ Sustainable
- ☑ Installs in minutes

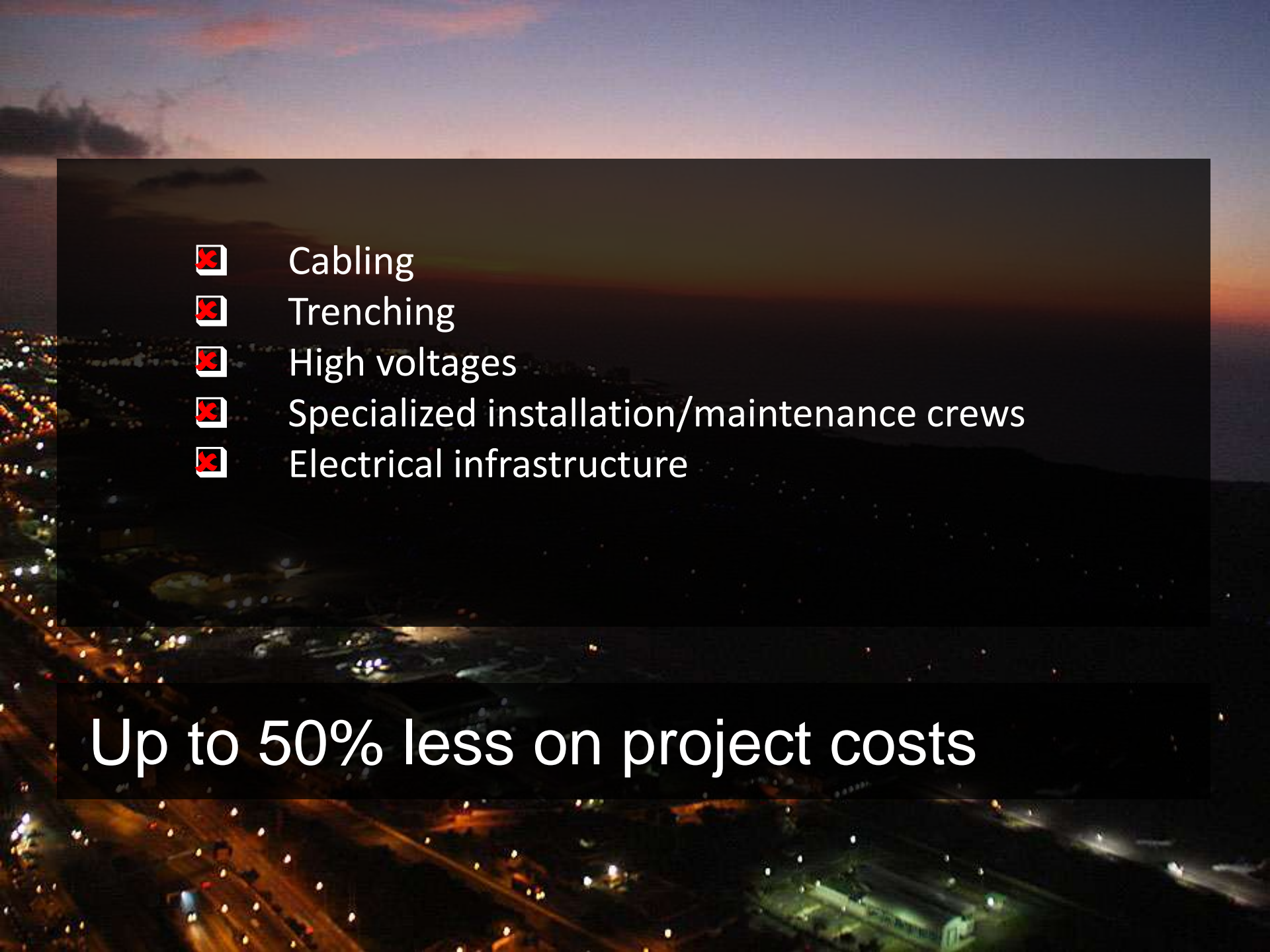# It's not just about being green

Safety

Simplicity

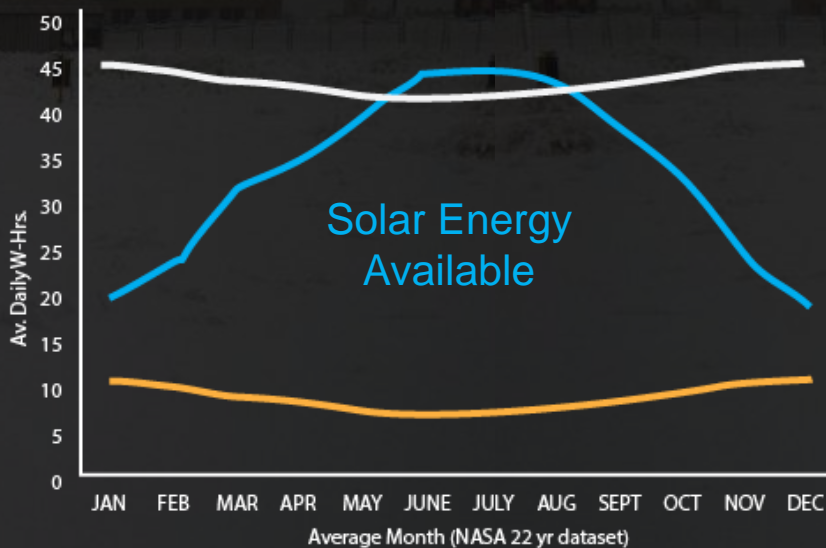**Durability**

Efficiency

- ☒ Cabling
- ☒ Trenching
- ☒ High voltages
- ☒ Specialized installation/maintenance crews
- ☒ Electrical infrastructure

Up to 50% less on project costs

Industry-Leading Design

- Premium solar panels
- Durable chassis
- Blocking & bypass diodes
- Patented Energy Management System
- High-performance LED's
- Low-voltage drivers & pulse width modulation

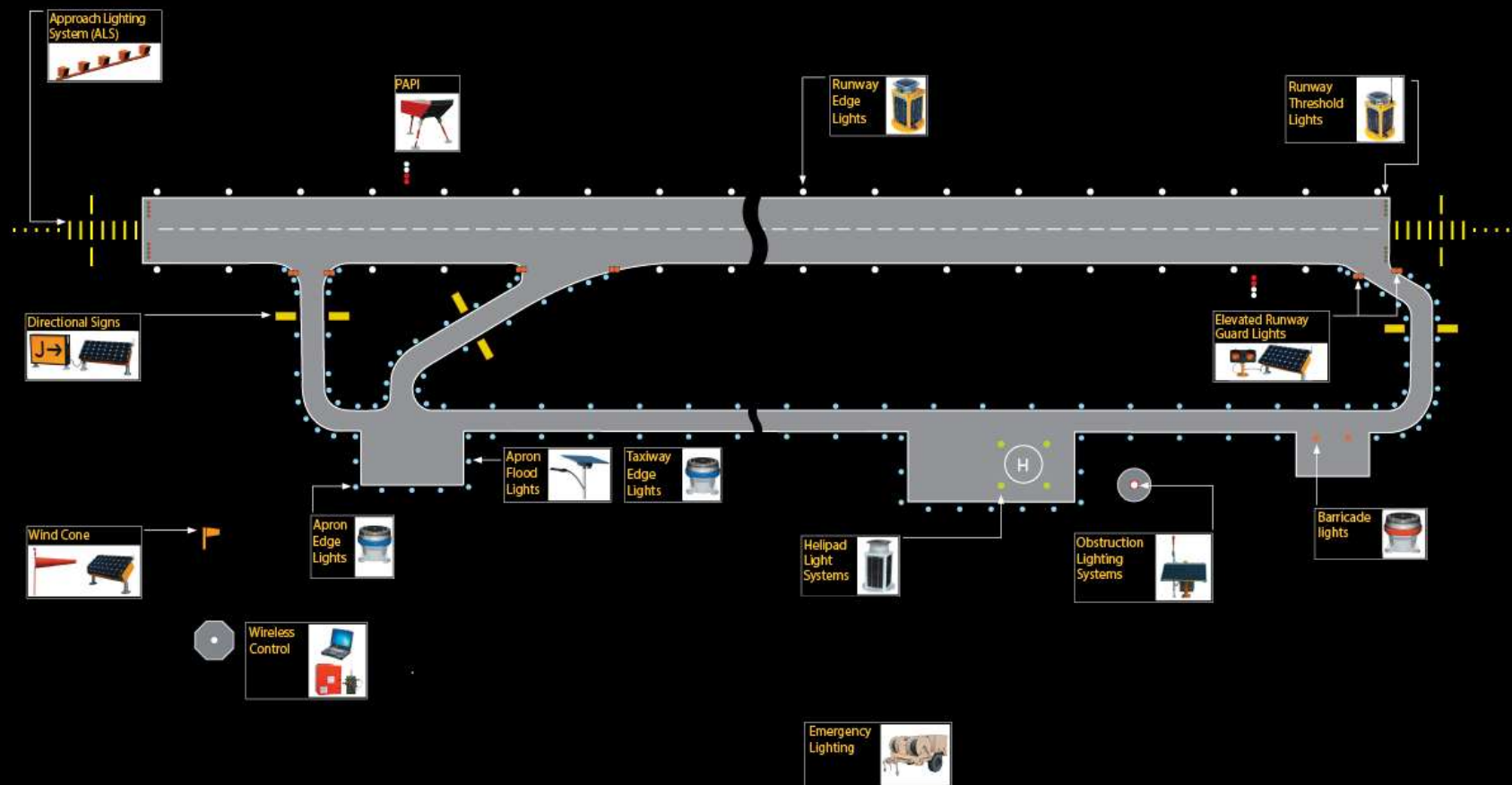# Enhanced reliability and global performance

Covering all airfield lighting requirements

Approach Lighting

- PAPI & APAPI
  - Exceed ICAO, FAA and STANAG standards
  - Low power, RF & IR

- Approach Landing Systems

Runway Lighting

- Edge, caution & threshold

- Visible or IR light

- Wireless control

- Multiple models: 360°, Bi-directional, high intensity

- ICAO, FAA compliant

Taxiway & Apron

- Compliant ICAO Annex 14, Vol 1, Fifth Edition
- Intelligent deployment location settings
- Stepped intensities, variable autonomies
- Programmable

ERGL, Wind Cone, Airfield Signs

- Minimal runway downtime

- Simple add-on to existing infrastructure

- No specialized installation or maintenance crews

Obstruction/ Barricades

- Lightweight, portable
- <u>No</u> wires or cables
- Place & go form factor
- 5-year installation maintenance free
- Ideal for hard to access locations

Helipad Kits

- Rapid deployment
- Designed for tough environments
- Complete kits including peripherals
- Visible and IR lighting

Emergency/ Temporary Lighting

- Solar, AC or generator powered

- Power distribution unit (PDU) with cable kit for 3,300-m runway

- Meets US Army and NATO Air Mobility standards

Wireless Controls

- Remote control and monitoring
- On-command operation to 4 km (2.5 m)
- Handheld
- ARCAL Type 1
- Monitoring software

Total Solar Airfield Lighting Solutions

carmanah®