



CAPABILITIES STATEMENT

Skywire Design Inc

1134 Commerce Drive
Richardson TX 75081
USA

972-643-1802

info@skywiredesign.com
skywiredesign.com

DUNS 112082844
CAGE 8VQR7
NAICS 541330
541340

Americas Chamber for
Business

National Fire Protection
Association

Skywire Design Inc is a
veteran-owned small
business (VOSB)
incorporated in the state
of Texas in 2019 by
founder and CEO John
Pantzer.

PROFILE

Skywire Design Inc provides electrical engineering, RF system integration, and electrical products for SATCOM ground stations. We simplify the electrical outfitting of the SATCOM ground segment to protect users, equipment, and mission critical operations through creative problem solving and great design. Our specialty is tackling unique situations and creating custom design solutions.

CORE COMPETENCIES

- Electrical and RF system integration engineering
- Surge protection, grounding, and lightning protection
- Power distribution with UPS and generator support
- Short circuit and arc flash analysis
- Design of fixed and mobile ground-based terminals
- Equipment shelter design and integration
- Special interfaces
- Process controls
- System troubleshooting, repair, and upgrades

DIFFERENTIATORS

- Decades of experience providing to commercial, government, and military customers, on fixed and mobile platforms
- Willingness to tackle the toughest design challenges
- Commitment to great design

PRODUCTS

- Radome Accessories Control Center (RACC)
- Universal Power Platform (UP³)
- Fire Detection Kit (FDK)

PAST PERFORMANCE

- Designed power distribution, grounding, and UPS/generator emergency power for multiple US military installations including Ft. Bragg, Camp Roberts, Ft. Greely, RAF Croughton (England), Landstuhl (Germany), Ft. Buckner (Okinawa), and others.
- RF & antenna integration on sites around the world.
- Designed and manufactured control panel for radomes for sustainable, maintainable smoke/fire detection and reporting, and manual or automatic interaction with ventilation systems during alarm.
- Sized and configured equipment shelters for SATCOM antennas, including power, cooling and ventilation, equipment rack configuration, and complete signal path design (cable and waveguide).
- Improved rotary joint mounting to simplify and reduce cost of installation and critical on-axis alignment.
- Project engineering for fan-free electronic cooling in a desert environment, mobile (wheeled) antenna platforms, flyaway antenna configurations complete with signal transmit and receive integration kits, heater control for both antenna and radome deicing, and upgrades for manufacturing a family of planar array radar antennas.