

GUARDIAN TELECOM LTD.
RENEWABLE INDUSTRY SOLUTIONS

**SUPPORTING
YOUR STEPS TO
REDUCE THE
GLOBAL CARBON
FOOTPRINT**



GUARDIAN
T E L E C O M L T D.

RENEWABLE INDUSTRY SOLUTIONS

ELEVATING RENEWABLE ENERGY WITH RUGGED COMMUNICATION SOLUTIONS

Renewable energy projects produce massive amounts of energy that can be directed to diverse industrial processes. However, to do so, renewable energy providers must build resilient infrastructures that can handle challenging environments and changing energy demands.

On solar, wind, hydro and all other renewable energy projects all require environmentally protected and rugged telecommunication and paging systems solutions. Reliable telecommunications are a critical necessity for managing communications in increasingly complex renewable energy infrastructures. Coordinating communications, staying on top of its ebbs and flows, is a complex, demanding task for support personnel, planners and energy project system operators everywhere in the renewable energy markets.

Guardian Telecom Ltd. can help, our telecommunication and paging systems solutions can survive the harsh conditions faced by 24/7 renewable energy projects including extreme temperatures, vibration and electromagnetic interference. Guardian Telecom Ltd. is well positioned to provide the critical infrastructure communication products and know-how to support the emerging renewable energy industries of tomorrow.

Guardian Telecom Ltd. leads in providing a broad array of telecommunication and paging systems solutions that help the renewable energy industry address these challenges and achieve their goals – quickly and cost-effectively. In the demanding renewable energy market, organizations require safe, productive working environments. No matter what type of renewable energy business they are in, the type of renewable energy system they operate in or the complexity of the environmental challenges that they encounter, you can trust Guardian Telecom Ltd. to deliver telephony communication systems and equipment that perform optimally on an operational level and are totally reliable during critical safety situations. Guardian Telecom Ltd. systems and equipment provide essential protection for valued personnel and assets with a robust selection of products and features for higher functionality.

For over 45 years, Guardian Telecom Ltd. has been a trusted provider of communication products and solutions for operators worldwide in the energy industry.

Let Guardian Telecom Ltd. help you reduce your communication operational expenses while surpassing your sustainability goals and driving efficiencies and results.



GREEN ENERGY

Hydro Power, Wind Power, Solar Energy/Thermal Power

SUSTAINABLE ENERGY

Bioenergy, Hydrogen Power, Geothermal Energy



CLEAN ENERGY

Nuclear & SMR Plants, Hydroelectric Plants, Marine Energy

RENEWABLES PRODUCT LINE

RUGGED, SAFE, RELIABLE AND COST-EFFECTIVE RENEWABLE INDUSTRY TELECOMMUNICATION SOLUTIONS

Harsh environments, extreme elements, critical infrastructure, and safety-critical and mission-critical applications call for rugged and reliable solutions. Guardian Telecom Ltd. is known worldwide as provider of the most reliable, ruggedized telecommunications equipment, supported with advanced technical expertise and exceptional customer service for our customers.

We've brought all that experience and more to our products and services used in the renewable energy industries. Experience Counts. All backed by our industry leading warranties.

WR RANGE - WEATHER RESISTANT TELEPHONES

WRT and WRR Series Analog and VoIP telephones are designed for moderately harsh indoor/outdoor environments where standard phones are not suitable. Resists moisture, dust and harmful corrosive chemicals.

Guardian's WR-H Analog Series are designed for hazardous locations in which fire or explosion hazards may exist. WRT-H / WRR-H Analog Series – Class I, Division 2, Groups A, B, C & D.

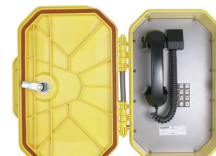


WRT-30

WT RANGE - WATER TIGHT TELEPHONES

WTT and WTR Series Analog and VoIP watertight telephones with Type 4X & IP66 ratings these offer maximum efficiency under extreme environmental conditions. The sturdy thermoplastic resin enclosure protects the internal circuitry against wind-blown dust, rain, corrosion, splashing and high-pressure water.

Guardian's WR-H Analog Series are designed for hazardous locations in which fire or explosion hazards may exist. WTT-H / WTR-H Analog Series – Class I, Division 2, Groups A, B, C & D.



WTT-30

AC RANGE – HEAVY DUTY ALUMINUM CAST TELEPHONES

ACT and ACR Series Analog and VoIP telephones meet the demanding requirements of sites that are prone to abuse and inclement weather. The weather proof enclosure is Type 3R rated for moderately harmful and adverse areas. Housed in a locking or non-locking aluminum enclosure, they are resistant to moisture dust and corrosive chemicals. Specially designed for outdoor environments.



ACT-40

SC RANGE - STEEL COMPACT TELEPHONES

SCT and SCR Series telephones provide reliable, high-quality communications in moderately harsh environments where standard telephones are not suitable. With the optional Conformal Coated Circuit Board, circuitry will endure high usage in damp or corrosive conditions.

SCT-V-H is a SIP-enabled Hazardous Area VoIP telephones is designed for use in Class I, Division 2 industrial applications.



SCT-10-V-H

DT RANGE - RUGGED DESKTOP TELEPHONES

DTT and DTR Series Analog and VoIP telephones are for safe, reliable communication in industrial areas that are prone to harsh non-hazardous environments. The stylish highly durable weatherproof Type 4X, IP66 enclosure can be user configured for either desk or wall mount.

Guardian's DT-VH/Z Series deliver safe, reliable communications in hazardous areas that are prone to high humidity, chemical vapors, dust and physical abuse. DTT-Z / DTR-Z Series - ATEX / IECEx Zone 1, Zone 21 approved – T5 & T6 rated. DTT-V-H / DTR-V-H Series - Certified for use in Class I, Division 2, Groups A, B, C & D ratings.



DTT-60-V

In2iT RANGE - IN PLANT COMMUNICATIONS SYSTEM



A new generation modular in plant page talk / page, intercom platform consisting of a System Control Frame (main communications system rack) along with end point communication devices (talk stations, paging amplifiers, signaling devices, etc.). The unique hybrid analog/digital system ensures compatibility and reduces cabling and integration costs.



ACOUSTIC BOOTHS & CUSTOM ENGINEERED PRODUCTS

Guardian Acoustic Booths

Enhanced communication in areas with high levels of background noise. Acoustic Booths can be fitted with a Guardian Telecom telephone equipped with accessories including interior lights, strobe lights, ringers and speakers.



Customization

At Guardian Telecom Ltd., "Customization" has many meanings, from the modification of existing products to the use of color, graphics, features, parts or labeling right up to the development of completely new products.

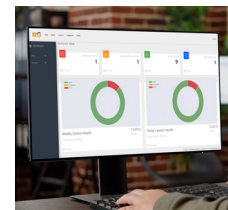


iGUARD MONITORING SOFTWARE



iGuard is an encrypted, cloud-based or on premise platform that allows you to configure, monitor and maintain deployed Guardian endpoints. Select features include:

- Near real time device monitoring
- Notifications (email & SMS)
- Historical database
- Pin point location
- Event Tracking
- Registration Status
- API - Genetec, Informacast



PROTALK

Guardian Telecom Ltd. brand ProTalk offers high performance, heavy-duty alarm reporting units. Avoid costly downtime and disasters with early notification of trouble conditions with your critical equipment. Designed to operate in the harshest climates, these units notify designated contacts of alarm conditions using radio, landline or cellular communication. Analog or Digital, Landline or Cellular, Standalone or Integrated, unique site identification and full-length user-recordable messages for each alarm input and relay output ensure all pertinent information is relayed.



TELETICS

Guardian Telecom Ltd. brand Teletics offers advanced point to point, and point to multipoint outdoor wireless systems that deliver high performance and high availability communications to operate efficiently in complex communications environments involving integration with satellite communications, traditional land line telephone, public safety systems, and cellular.





GET THE GUARDIAN TELECOM LTD. ADVANTAGE!

Guardian Telecom Ltd. products come with industry leading warranties. Don't accept anything less.

Guardian Telecom Ltd.
Tel: 1 800 363-8010 (toll free in North America)
Tel: 1 403 258-3100
E-mail: info@guardiantelecom.com
www.guardiantelecom.com

THE GUARDIAN ADVANTAGE

All of our Telecommunication Equipment comes with our Industry Leading Warranties, so you have complete peace of mind with Guardian Telecom Ltd. range of products from Guardian Telecom, ProTalk, Teletics, Westronic and CircaMax. We are very proud of that.

RUGGED SUPERIORITY

Just making a low-cost telecom device to operational minimum industry standards is not good enough. Guardian Telecom Ltd. products are designed and engineered from the ground up to work in the harshest of environments.

RELIABILITY

We know when you experience telecom equipment downtime, the results can be staggering. Implementing solutions that enable you to improve reliability and security of your operational equipment is a bottom-line issue for us. Our products are designed for absolute reliability for maximum uptime.

BETTER VALUE - BETTER ROI

Because our products are built to last, require less repairs, are easily installed, have innovative features and will keep working in difficult conditions, you will see a better return on your investment. No costly repairs, no expensive downtime, no replacing broken telecom equipment; the result, your net operating costs will go down.

