

Amphenol®





Wind market

At Amphenol we understand the wind power industry has unique interconnect needs. We know wind turbines are in service for more than 20 years in some of the harshest environments on the planet, whether on-land or off-shore.

Amphenol's products withstand:

- Vibration
- Salt Spray
- Humidity
- Dust
- EMI/EMC
- Temperature Extremes

Whether you need power connectors, signal connectors, backplane connectors, rugged data cables and switches, complete cable assemblies, fiber optic connectors and assemblies, or system attachments, we have the right solution for your wind power application.

Amphenol®

Since 1932 Amphenol has been the interconnect technology provider of choice to industry leading companies throughout the world. With a broad and diverse product portfolio, Amphenol is able to develop the right solutions for our customers across the diverse segments of the rapidly expanding electronics market.

With dedicated employees working at 85+ facilities in more than 30 countries, Amphenol has the unique advantage of having both

We also know that you need a partner with a global footprint of service and support. Amphenol has over 85 facilities in 30 countries and due to our culture of cost control and operating discipline we are able to prosper in all economic climates.

Amphenol's background in producing high reliability connectors for the harshest environments on Earth and in Space gives us the unique experience needed to produce extremely reliable, cost effective, industry standard products for the wind energy industry. If you have the need for a customized solution our engineers will work with yours to produce the right customized interconnects for your application.

Amphenol connectors are approved by UL/CSA, VDE and other international standards.

diversified global reach while still being a focused organization. Our focus comes from our entrepreneurial management team dedicated to specific markets and regions.



POWER



With RADSOK®, Amphenol provides a new generation of power contacts. RADSOK's hyperbolic construction offers many advantages including contact coverage of 65%. This allows more power to pass through a given connector size or the use of a smaller sized connector for a given power level – saving space and weight.

Possible uses include the interconnection from generator to inverter and inverter to transformer station.

- Up to 1000 Amps per contact
- Vibration safe
- Self cleaning contacts
- Up to 75% quicker connection
- Extremely reliable
- Cost effective stamped & bent technology

Applications: Connecting generators, inverters and transformer stations.

Efficient installation of power cables.



WIND-LOK®
High power connector

AIO



AMPHE-POWER®
Multi-pole power connectors

AIO



SURLOK PLUS™
High-amperage field connectors

AIO



ADG & ADGC
High performance Power connector family

Daeshin

CONTROL



Amphenol's industrial Rectangular Connector Series provides a universal high-reliability modular interconnect system. Our rectangular C146 connectors are tailor made for harsh industrial environments and are designed specifically to resist salt mist, vibration, temperature extremes, and EMI. With modular inserts for high power, data, RJ45, optical, pneumatic, fiber optic, coaxial and USB. Covered in a solid full-metal shell with a robust locking system, the Amphenol Rectangular Series is a perfect solution for motion and servo control.

In addition, our proven M23, M40, and ACA-B circular connectors complete the series for motion and servo control.

Applications: Pitch control systems, servo motion control, rack and panel connections, and internal power supplies.



C 146 M
Modular rectangular system

AIO



C146 SEALED SERIES
EMC and IP67 protected

AIO



M23 & M40 SERIES
The professional standard for motion control

AIO | ALTW



ACA-B SERIES
Bayonet style for harsh environments
Meets MIL-C-5015

AIO

PRODUCT *focus*

C

Amphenol provides a wide range of signal connectors for harsh environment applications.

From our industry standard threaded M12 connectors to our quick-mating Pulse – Plus connector we have a solution for every application.

In addition, we can produce filtered versions of our signal connectors to eliminate RF interference to guarantee trouble free data transfer. Plastic and full metal versions are available.

Applications: Connects sensors for wind speed, temperature, vibration, pressure and wind direction.



SCREW VENT M12 SERIES

Waterproofing screws for industrial applications

ALTW



C091 SERIES

Professional industrial circular connectors

AIIO



5015 SERIES

Over 300 insert arrangements from 1 to 104 circuits possible

AIO



C16 – 3 SERIES

Universal high – performance signal and power connector

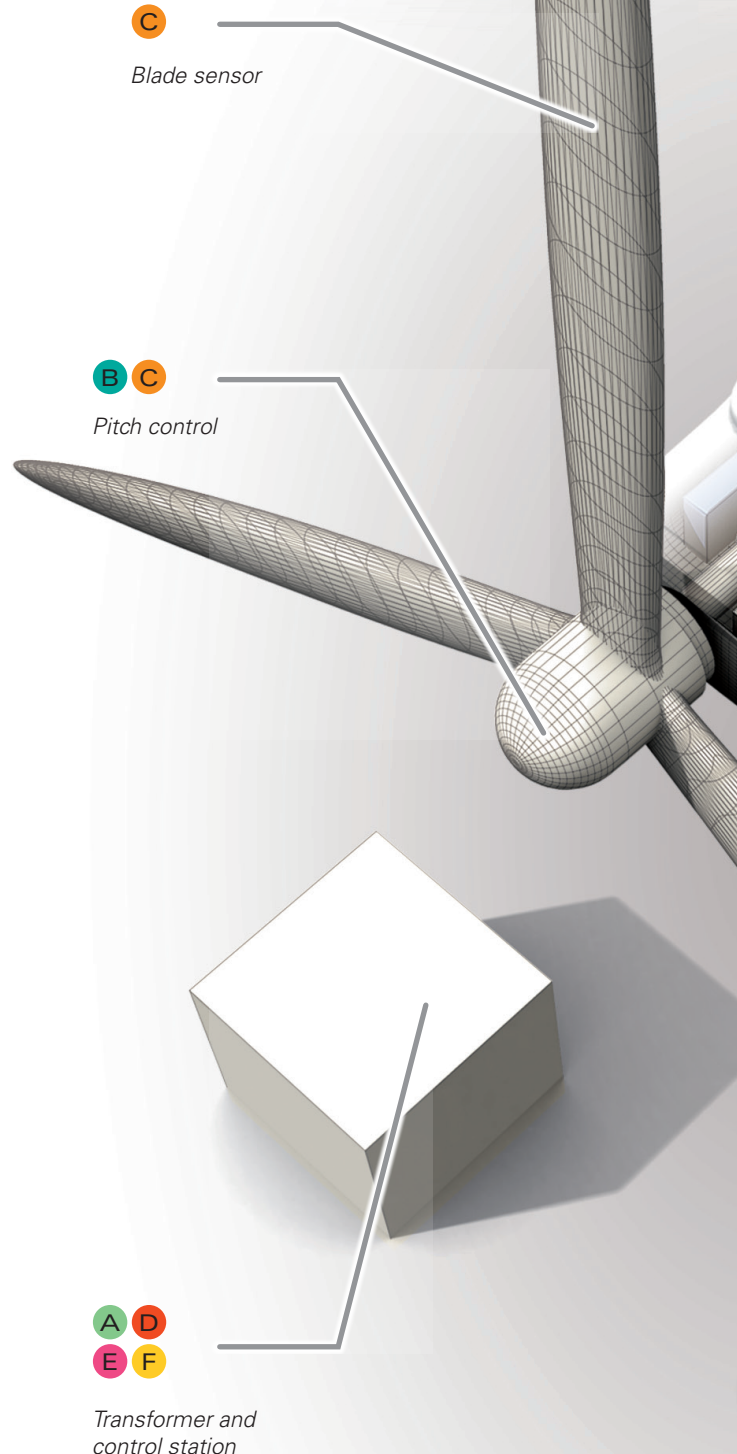
AIIO



PULSE – PLUS

Easy quick-locking M12 connector system

Alden



C

Blade sensor

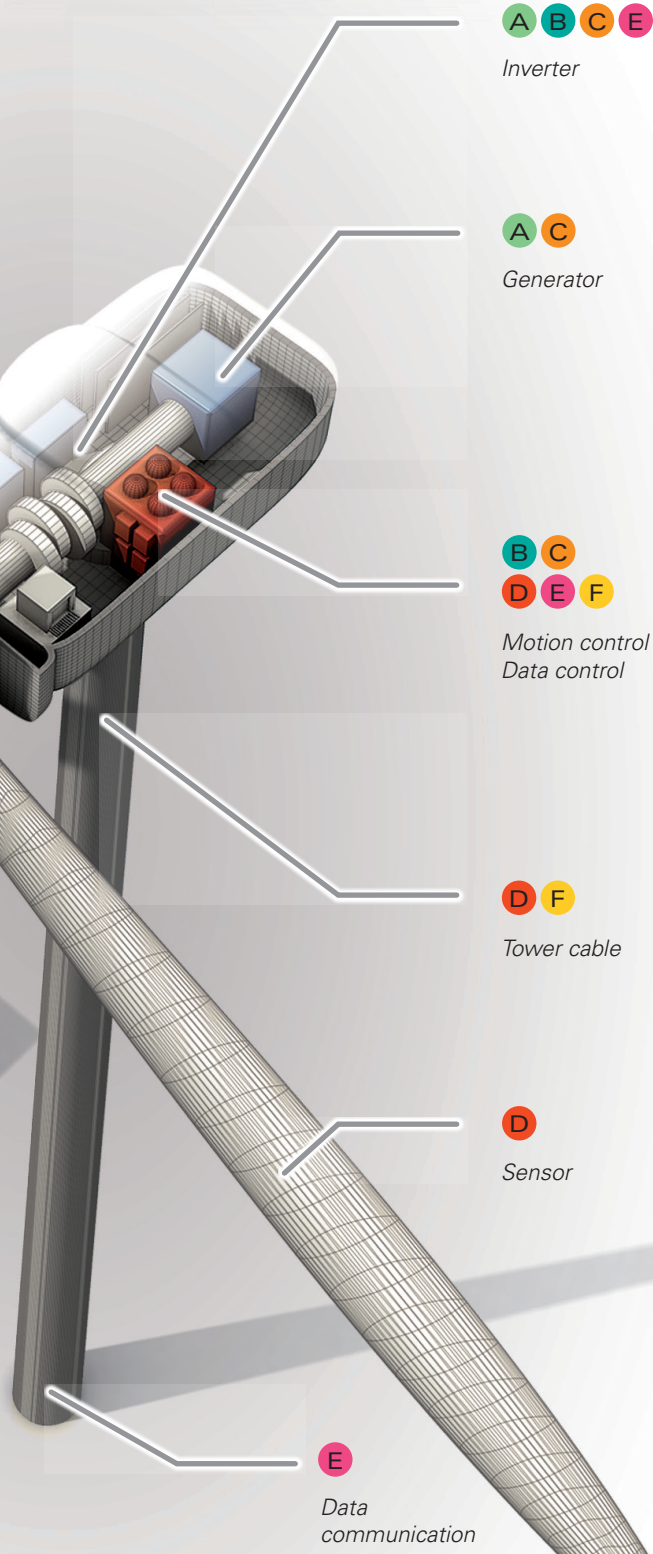
B C

Pitch control

A D
E F

Transformer and control station

D



Amphenol's extensive range of fiber optic connectors and cable assemblies provide interconnect solutions for all situations and environments including: butt joint or expanded beam technology, single or multi-channel, single-mode or multi-mode fibers.

Amphenol supplies the complete interconnect assembly, including the connector, termination, fiber and optional accessories. Optimal for data communication in Wind Power where EMI / EMP protection is needed.

Application: Data transfer between sensors in the blades, between nacelle and base station, and for communication to the control center.



**HMATWO
HERMAPHRODITIC FIBER
OPTIC CONNECTOR**

Multi-mode fibers,
dual wavelength, 1-4 way

[AFSI](#)



TFOCA II

Extreme harsh environment fiber
optic series

[AFSI](#)



M 28876 SERIES

Multi-channel fiber optic
connector with Quickloc cable
captivation system

[AFSI](#)

COMMUNICATION



Amphenol's high performance connectors, switches and antenna systems for data networks guarantee uninterrupted performance in the harshest environments on the planet.

Amphenol data products are designed to provide the best interconnect solution in extreme conditions including: vibration, temperature extremes, salt mist, and EMI-RFI interference.

Applications: Data transfer between nacelle control unit and plant control.

Data distribution between wind generator and plant control.

Service interface for maintenance.



RJ 45 FIELD SERIES
Bayonett coupling, IP 67

ALTW



USB SELF CLOSING CAP
Uses standard USB cables. IP 67

ALTW



MULTI BAND ANTENNA SERIES
High performance with compact size

AAS

CABLE ASSEMBLIES AND TERMINATION



Amphenol is a world leader in cable assemblies for industrial applications. Our bus bar power distribution systems allow for more compact packaging and optimize air flow.

Amphenol termination blocks allow easy long term connections. RADSOK based grounding systems decrease installation time by 75% and can be connected with one hand.

Applications: Power cables between generator and transformer.

Fiber optic connections between sensors and control units.

Motion control cables and internal power supplies.



CABLE PROTECTION SYSTEM
Line of products to protect cable harnesses in virtually any environment

GEC



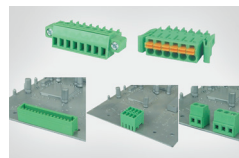
POWER BOSS SERIES
Overmolded power distribution system

AIO



BUSBAR
High density integrated system

AIO | GEC | ATPI | GASF



TERMINAL BLOCKS
Wire-to-Wire and Wire-to-PCB

Anytek



GROUND|MATE SYSTEM
Highly effective, cost saving grounding system, RADSOK based

AIO

NORTH AMERICA

Amphenol ALDEN (Alden)

117 North Main Street
Brockton, MA 02301 - USA
Telephone: 508-427-7000
requests@aldenproducts.com

Amphenol ANTENNA SOLUTIONS (AAS)

1300 Capital Drive, Rockford, IL 61109 USA
Telephone: 815-399-0001
http://www.amphenol-antennas.com
info@amphenol-antennas.com

Amphenol FIBER SYSTEM INTERNATIONAL (AFSI)

1300 Central Expwy N, Suite 100 Allen, TX 75013 U.S.A.
Toll-Free: 800-472-4225 Fax: 214-547-9344
info@fibersystems.com

Amphenol INDUSTRIAL OPERATIONS (AIO)

191 Delaware Street
Sidney, New York 13838-1395 - USA
Telephone: 1-888-364-9011 - Fax: 1-520-397-7169

Amphenol SINE SYSTEMS (AIIO)

44724 Morley Drive Clinton
Township, MI 48036 USA
Telephone: 1-586-465-3131 - Fax: 1-586-913-9618

Amphenol TECHNICAL PRODUCTS INTERNATIONAL (ATPI)

2110 Notre Dame Avenue
Winnipeg, Manitoba R3H 0K1 Canada
Telephone: 204-697-2222

Amphenol TUCHEL ELECTRONICS (AIIO)

44724 Morley Drive
Clinton Township, MI 48036 USA
Telephone: 1-586-913-8630 - Fax: 1-586-465-1216

EUROPE

Amphenol TUCHEL ELECTRONICS GMBH (AIIO)

August - Haeusser Strasse 10
74080 Heilbronn, Germany
Telephone +49 7131 929 0 Fax +49 7131 929 486
www.amphenol.de

ASIA

Amphenol ANYTEK (Anytek)

5F-6, No.77, Sec. 1, Xintai 5th Rd., Xizhi Dist.,
New Taipei City 22175 Taiwan
Telephone: 886-02-26980366-625 Fax: 886-02-26980377

Amphenol DAESHIN (Daeshin)

Songnae-Dong 14, Gyeonggi-ro 133 beon-gil,
Sosa-gu, Bucheon-si, Gyeonggi-do - Korea 14724
Telephone : 82-32-610-3800
Fax: 82-32-673-2507/665-6219

Amphenol GEC (GEC)

No.5 Jian Ta Shan Road
Ke Xue Cheng, - Guangzhou 510663 China

Amphenol LTW TECHNOLOGY CO., LTD. (ALTW)

5F-3, No.51, Sec.4, Zhongyang Rd., Tucheng Dist.,
New Taipei City 23675 Taiwan

Amphenol PCD CHINA

Building 21, 1st Liao Keng Industrial Zone, Shi Yan District - Shenzhen
518108 China
Telephone: +86-755-8173-8000
www.amphenolpcd.com.cn

Amphenol SINE SYSTEMS (AIIO)

Building 21, 1st Liao Keng
Shi Yan Street, Bao An District - Shenzhen 518108 China
Telephone: 86-592-593-6666 - Fax: 86-592-593-1111

GUANGZHOU Amphenol SINCERE FLEX CIRCUITS CO. LTD. (GASF)

Wan An Village Industrial Area A1
Lanhe Town, Panyu District, Guangzhou 511480 China
Telephone: +86-20-8483-4828



AMPHENOL CORPORATION

Amphenol Industrial

Phone: 888-364-9011

191 Delaware Avenue

Sidney, NY 13838-1395

www.amphenol-industrial.com