DATA-LINC GROUP
The industrial data communication experts
Field proven performance~industrial grade support

WIRELESS NETWORK SPECIFICATION FORM

Please answer the questions below regarding your radio network needs, so we can prepare an adequate quote. In case you have any questions, please do not hesitate to contact your local representative.

1. **Regarding the equipment that will be connected through the wireless network:**

a) What type(s) of equipment will be connected, and how many? Please identify the device that will be at the central (main) location.

Examples: controllers (PLC/PAC), MMIs, variable frequency drives, cameras, laptops, PDAs ...

b) Which type of communication interface does your equipment have?

Examples: serial RS-232, serial RS-485, Ethernet, digital I/O, analog I/O, ...

c) Which communication protocol is available at the equipment´s interface?

Examples: DF1, Ethernet/IP, Modbus, Modbus TCP/IP, …

2. **Regarding the locations where the equipment will be:**

d) Indoor, outdoor or both (eg.: several indoor locations connected over the outdoors)?

e) What is the distance between the central location and each remote?

If possible, choose one of the sites as the main, and inform the distances between the main site and each one of the remote locations.

f) Is there LOS (line of sight) between the locations?

The LOS can be obtained by placing the antennas in locations where they can "see" each other (eg.: roofs, towers, etc). Another way to obtain LOS is adding additional radios in order to overcome obstacles.

g) How far apart would each radio be for its external antenna (in feet)?

h) Are the equipment fixed or moving?

3. Frequency and Country

i) Please inform if there is a preferred operating frequency for the wireless network, and in which country it will be used.

Eg.: 900MHz, 2.4GHz, etc. If you know specifics about the local regulation (eg.: max EIRP=100mW), please inform here.

4. Regarding the <u>Project</u>:

j) What is the functionality of the network? Does the application require high speed?

Examples: SCADA, control, equipment programming/maintenance, video, or a mix of 2 or more functionalities.

5. Regarding possible <u>interferences</u> from other radios:

k) Is there other radio equipment in the area?

l) If so, what is the operation frequency? Or model/manufacturer?

You are welcome to include drawings, maps, GPS coordinates or even pictures in case you have more information 67that could help us understand your project needs.
