

Industrial Communication Success

Background

A capital manufacturing OEM had a problem, their machines which were being used in semi conductor manufacturing equipment facilities, needed to communicate on the semiconductor manufacturers DeviceNet and EtherCat networks.

OEM's who manufacture industrial equipment such as machines or devices are under constant pressure to interface their equipment to their end customers plant infrastructure and or line control network. These networks vary from simple serial communications to very complex high speed industrial protocols. If an OEM's equipment cannot communicate to their customers systems then they are usually off the list of approved vendors.

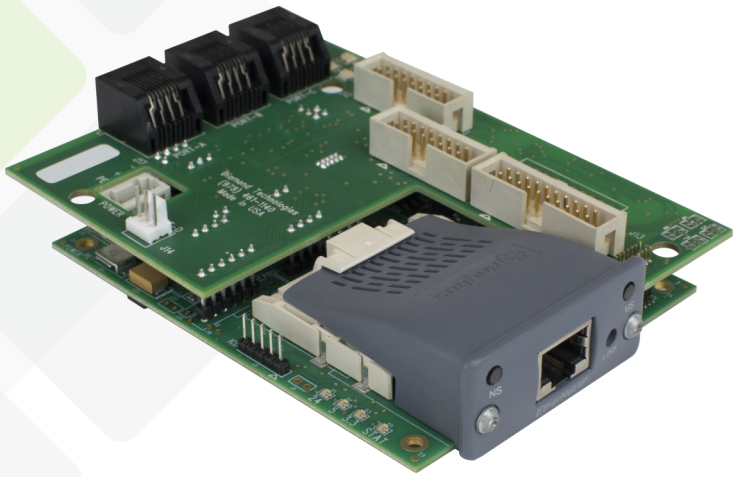
Our OEM capital equipment manufacturer needed a solution to bridge the gap between their proprietary machine communication and a DeviceNet/EtherCat network. They also needed the ability to be able to drop a solution into any one of their product lines in order to support a wider range of end customer demands.

Solution

Engineers at Diamond Technologies were able to leverage existing expertise in DeviceNet and EtherCat Communications. Our engineers, working with the OEM customer were able to customize our existing DT7000 industrial communications gateway. The DT7000 was updated to include an auxiliary interface board which directly connected to the OEM's system. The auxiliary interface board also provided the ability to add additional customer LED indicators and switches required for network communications. This allowed the OEM manufacturer seamless connection to the semi conductor plant's networks.

Not only did the DT7000 communications gateway allow communication directly to the plant networks it also integrated easily with the OEM's equipment.

Working with the OEM as a partner Diamond Technologies assisted the capitol equipment manufacturing company in solving an issue for a specific customer. We also assisted the OEM in achieving DeviceNet and EtherCat certifications. The Diamond solution has added capability and significant value to the OEM's product line.



DT7000 Communications Board



www.DiamondT.com

43 Broad St, Unit C103, Hudson MA 01749 Tel: (978) 461-1140 Fax: (978) 461-1146