

"Aegis Energy & Internet Based Cogeneration Control"

In their more than 20 years of operation, Aegis Energy Services, Inc. has always had the need for communication with their cogeneration units. This communication is a crucial aspect of their operation, as they have units throughout New England, New York and the mid Atlantic states. To achieve this goal most effectively, Aegis has now been utilizing the ComAp IntelliSys controller for three years.

Before this, their communications traveled through a dial-up connection which was consistently slow and at times unreliable. Because of the locations of their sites, costs for long distant phone calls became extremely high. In some instances the units were constantly sending warnings to Aegis's maintenance department in Holyoke, MA which, in turn, ran their customers' phone bills up astronomically.

To battle these concerning issues, Aegis made the decision to move to a network-based communication process by eliminating the modem and installing an IG-IB on each unit. Currently, Aegis has fifteen units in service, with an additional twenty units scheduled in the next six months.

With this new technology came certain challenges and difficulties, including: obtaining permission to use the clients network, the internal understanding of network configuration and firewalls, and miscellaneous software problems. With all of the hard work and effort from Aegis's engineering team, it has been ultimately a success.

With the installation of the IG-IB Aegis was open to new capabilities which included ComAp's IntelliSupervisor software. With this software Aegis is able to obtain a status report from every unit on the network at a single glance. They can immediately open a WinEdit communication with a site to correct a problem or dispatch a technician. In addition to this they can also receive alarm notifications by email to as many addresses as desired for each site. Currently there are plans to retrofit existing controllers out in the field to get them on the network as well.

Aegis has reduced costs and have become technically efficient due to ComAp's continued success with forward-thinking technology in communications and supporting software they develop. From 1985 until the present, Aegis has kept up with technological advances in the Combined heat and power industry. As future utility costs rise, Aegis is equipped to be your best defense against rising energy costs.

[For more information:](#)

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