

## AT&T GNOC

Basking Ridge, New Jersey

In the mission critical world of network monitoring down time is not an option. As at&t reached end of life on the core routing and distribution solution for the GNOC which had been installed in 1998 they needed a partner to work with them in selecting the most cost effective and reliable solutions to upgrade the systems based on current technology available.

Diversified Systems has been providing A/V design and installation services to at&t for several years including new solutions for their customer experience center and various presentation and VTC systems throughout the facility. DS was selected as the partner for this critical system upgrade in 2008 which affects the GNOC as a whole from signal I/O configuration and distribution to displays and control. This was due to the positive collaborative working relationship at&t has experienced with Diversified over the years. And our acknowledged expertise in the related technologies of control programming along with our long track record of successful solutions for similar mission critical systems for premier fortune 100 clients globally, including the NYSE, Qualcomm, CNN, and Fox.

The GNOC monitor wall includes 144 Christie projectors currently receiving 5 wire RGBHV signal distribution. The new solution also utilizes a Pesa "Cheetah" DVI-I 128 X 256 routing matrix for digital signal distribution. To limit risk, some of the existing coax infrastructure will be repurposed for single wire distribution by utilizing DVI-I to Coax/Coax – DVI-I converters on router outputs and projector inputs. This allows for a more rapid and cost effective conversion process to the new core routing and distribution solution at the GNOC.



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Figure 1. The Operations Theater is the hub of AT&T's Global Network Operations Center in Basking Ridge, NJ.