

AdderLink XDIP provides a point to point and small matrix solution for use in this power station control room



Power Station Control



Overview

The AdderLink XDIP provides a computer extension and small matrix solution for this electricity power station in Asia. Simple and secure technology yet flexible in operation, the users have an at the computer experience.

Computers are located in a secure server room but are accessed and managed from the control room, several floors away from the server room. Using IP infrastructure, operators have full USB, video and audio operation with zero latency and instant switching.

With simple operation, flexible configuration and fanless units improve the environmental factors within the control room whilst also improving the workflow and station ergonomics for the operators.

CHALLENGE

Managing some of the world's most comprehensive and advanced energy and utility infrastructures demands effective and efficient control. This high yield power station identified the need to update its infrastructure to ensure that the control room was secure and operating effectively.

Some of the control room user stations required access to between 4-6 computers. There was also the need for 10 dedicated user stations to have access to one computer at all times. All of the computers were located in the secure server room and all operators were stationed in the control room.

Audio, video and USB were essential requirements, as was the need for ultra-low latency. The existing network infrastructure was identified as the preferred network of choice because of its resilience, existing coverage and flexibility. Additionally, the IT team needed a local port through which they could also manage the computers and the access required.

SOLUTION

The resident IT team worked with a specialist integration company to conduct a thorough review of the requirements and needs of the business and operators within the control room.

They assessed multiple options and identified the new AdderLink XDIP as an ideal KVM solution given it's small case design, huge flexibility and feed through functionality that provides support for a local source, at the computer or user end. It's ability to operate over the existing IP infrastructure also meant that the transport network and expertise were already in place.

Crucially the operators also noted zero latency when compared with a local machine. Together with the high quality video, audio and instant switching, the user experience was perfect. The configuration and set up was also seamless with each device able to automatically discover other devices on the same network and be configured as a transmitter or receiver.

Power Station Control



RESULT

There were 10 pairs of AdderLink XDIP's installed as point to point extenders from server room to the operator control room. "The improvement in desk ergonomics has been huge" said several of the operators. There was also 6 AdderLink XDIPs, configured as transmitters, in the server room and 8 user stations in the control room, configured as receivers. All of the

units were connected to a central network switch using standard Catx cable that was already part of the infrastructure.

Users at each of these network connected stations were then able to instantly switch between any of the connected computers. Only one mouse and keyboard is required at each station and the system administrators can nominate the users access permissions

on a case by case basis. "The AdderLink XDIP point to point and matrix solution provides us with the perfect solution to enable our control room" said the lead engineer. "Computers have been removed from the working environment whilst the workflow and operator ergonomics have been significantly improved".

RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products available include:

ADDERLink INFINITY 1002
ALIF1002/P; ALIF1002/R;
ALIF1002/T



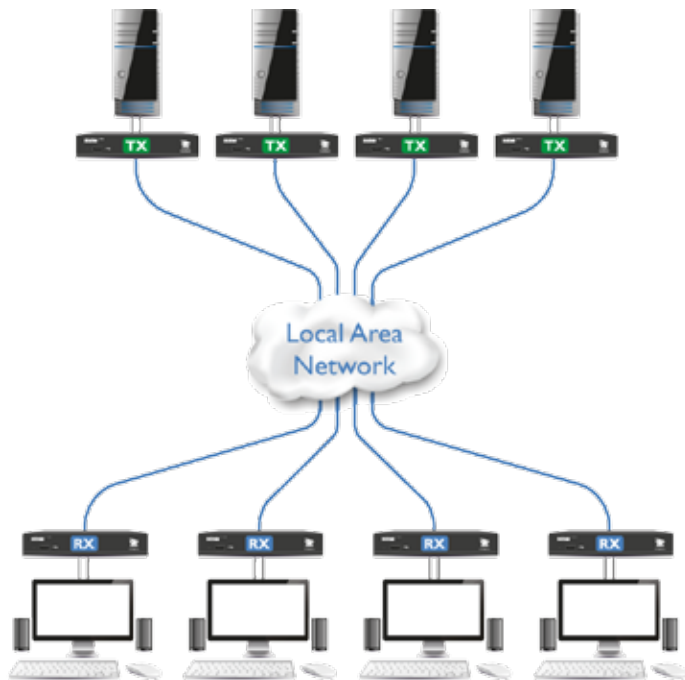
ADDERLink INFINITY dual
ALIF2002/P; ALIF2000/R;
ALIF2002/T



ADDERLink INFINITY
Manager (A.I.M.)
ALIF-AIM



ADDER CCS-PRO4
CCS-PRO4



Representative diagram of the AdderLink XDIP matrix configuration

© Copyright 2017 Adder Technology Ltd. All brand names and trademarks are the property of their respective owners. JW_Electricity power_v1.4.indd

ADDER TECHNOLOGY

Head Office
Tel: +44 (0)1954 780044 Fax: +44 (0)1954 780081
email: sales@adders.com www.adders.com

ADDER CORPORATION

USA and Canada
Tel: +1 888 932 3337 Fax: +1 888 275 1117
email: usasales@adders.com www.adders.com

ADDER ASIA

Asia Pacific
Tel: +65 6288 5767 Fax: +65 6284 1150
email: asiasales@adders.com www.adders.com

