

Another example of ABB's continuing commitment to protect investments made in Harmony system assets is found in the recent introduction of a Rack Remote I/O alternative. Needed to protect the more than 20 year investments made in the rack remote I/O IMRIO02 module, this new alternative minimizes the change impact to existing hardware architectures. Specifically, the new Rack Remote I/O alternative leverages newer H-Net technology for remote communications and requires minimal change to the Remote I/O interface block (FC 146). The Rack Remote I/O alternative supports multiple RIO links and can be mixed with the other Harmony I/O types: Rack, Block, or S800 I/O. The Rack Remote I/O alternative supports multiple RIO links and can be mixed with the other Harmony I/O types: Rack, Block, or S800 I/O. The Rack Remote I/O architecture is summarized in Figure 4.

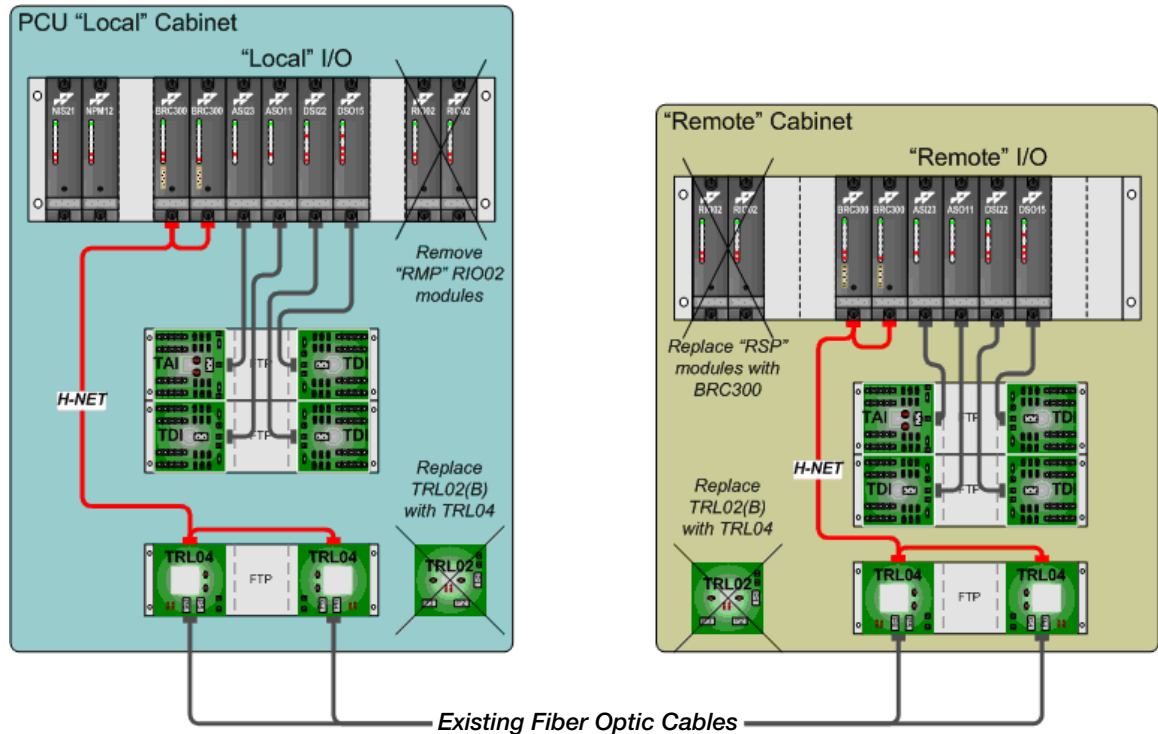


Figure 4. New Harmony Rack Remote I/O solution using H-Net

Harmony Communications. New communication modules ensure the long term viability of new and installed systems. As the flagship PCU Communication products, the INNIS21/INNP22 modules provide significant increases to performance and capacity compared to previous generations. Additionally, new INFI-NET to Computer Interface and INFI-NET to INFI-NET Local and Remote Bridge modules are available. All of these communication modules are form, fit, functional replacements of their predecessors.