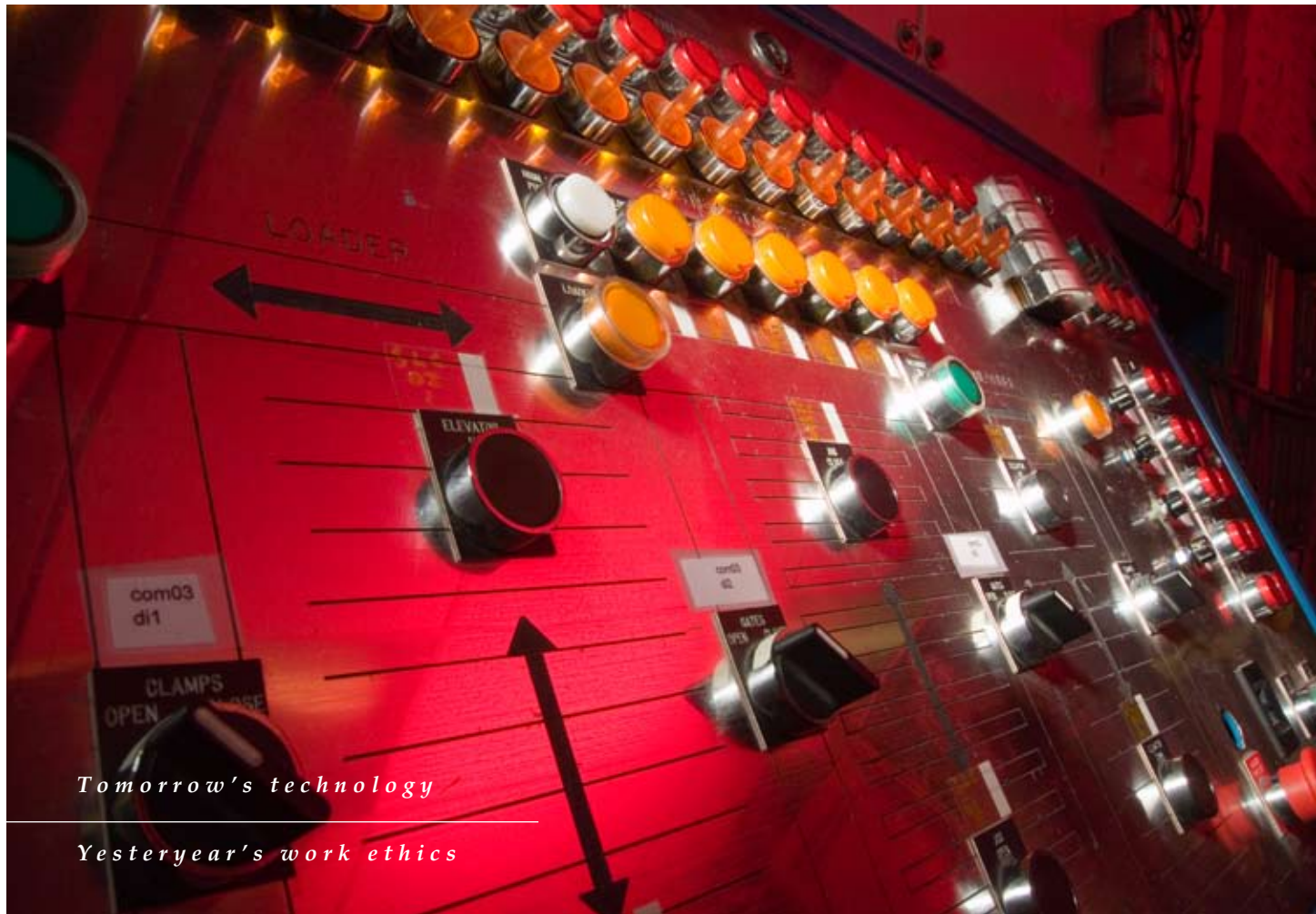


TURNKEY CONTROL SOLUTIONS, INC.



Tomorrow's technology

Yesterday's work ethics

EB90 PRODUCT SUPPORT

Since our initial involvement with Controls/Control Systems in 1975 we have seen many evolutions of technology, companies, personnel and services. TCSI incorporated in 1988 to provide the globally installed Bailey DCS customer base with a single source of support. Turnkey Control Solutions; a single Company made up of Service personnel to support the legacy Bailey/ABB DCS with the Technological advancements that will extend the life of your system.

EB90 PRODUCT SUPPORT

TCSI maintains a large inventory of Bailey/ABB – Net90/Infi90 Hardware. This hardware is available in two primary selections; new and refurbished.



NEW HARDWARE

- NEW Hardware is that hardware that has not been in previous service. New hardware may be manufactured years ago but is New. As Bailey / ABB discontinues manufacturing certain hardware TCSI is purchasing unused inventories from a variety of sources. All of this hardware is tested in our facility prior to going into our New inventory.
- In addition to TCSI's inventory of New Bailey/ ABB Products – TCSI has established long term relationships with a select group of New hardware suppliers. TCSI has an agreement with ODX Corporation located in Atlanta Georgia. ODX Corporation maintains an inventory of New Bailey Net90/Infi90/Harmony Hardware. This inventory is in excess of \$20 million dollars and is constantly being expanded. We have the ability to provide matching module Firmware as required.
- All hardware is certified by TCSI to be manufactured by Bailey / ABB.
- All hardware is provided with a one (1) Year Warranty for replacement.
- Emergency Module Replacement – Replacement with "Like/In Kind". TCSI provides 24 hour shipment to all corners of the globe. The hardware is taken out of stock and put into Test service in our Bailey DCS cabinets (we have 8 fully configured cabinets of hardware ready to test any module in any application). The module is configured, tested and then shipped.
- New hardware is priced below the ABB list pricing. In addition to better pricing TCSI can meet delivery schedules – the competition can not. Quite often the competitors come to us for the supply.
- Module Upgrade – TCSI can supply Module upgrades; from Net 90 to Infi90 to Harmony.





REFURBISHED HARDWARE

- These modules come to us from different plants that for whatever reason have been decommissioned and dismantled. TCSI purchases the complete DCS and delivers it to our facility in New York. This hardware is cleaned, tested and allowed to run in our DCS for 2 weeks before it is placed into the Refurbished inventory.
- TCSI provides this hardware as Refurbished. Refurbished modules are generally priced at ½ the New Module Cost.
- All hardware is certified by TCSI to be manufactured by Bailey/ABB.
- All hardware is provided with a one (1) Year Warranty for replacement.



MODULE REPAIR/EXCHANGE

- TCSI has the ability to make repairs to Bailey Net90/Infi90 Hardware. If the repair requires replacement of surface mount components TCSI will get the repair made at one of our several Channel Member locations that specifically are in place for these types or repairs.
- TCSI can/will provide a replacement piece of hardware in exchange for your faulty piece of hardware.
- The repaired piece of hardware is put into Refurbished Inventory.
- This program is the most cost effective. Module pricing is generally ½ of the Refurbished Module Price.
- All hardware is certified by TCSI to be manufactured by Bailey/ABB.
- All hardware is provided with a one (1) Year Warranty for replacement.

PREVENTATIVE MAINTENANCE

- TCSI provides on site Scheduled Maintenance on the Bailey DCS Hardware and Software. This is comprised of:
 - the manufacturers Recommended System Checks
 - Uploading/Saving/Verifying Module Configurations
 - Error Checking/Resolving Errors
 - CAD Documentation



PHONE/INTERNET TECHNICAL SUPPORT

- TCSI provides 24/7 Phone System Support
- TCSI provides 24/7 Internet Support for those customers set up with the software to permit TCSI to access their Bailey EWS, DCS and HMI via the Internet.





*TCSI services an extensive global customer base of
Bailey Net90 / Infi90 Distributed Control Systems.
We look forward to adding your company – your
success is our success.*

THIRD PARTY SOLUTIONS

- As a Systems Integrator, TCSI is always evaluating new ways to connect hardware and software to the DCS/HMI to allow the client the ability to take full advantage of the ever changing technologies. Some examples follow:
- Power System Upgrade
 - Latest Technology
 - Low Power Consumption + High efficiency = less heat generated = longer component life
 - Modular Construction
 - N+1 application
 - On board voltage/current measurement & display
- Ethernet Connectivity directly to the Module Bus/Controlway
 - Product in testing
- Allows Ethernet connectivity directly and allows the Data exchange between the DCS/PCU to a dedicated Control LAN
- iHistorian
- True SCADA with multiple/simultaneous Device Drivers running
- Win911
- Excel Reporter for Production and Maintenance Reporting
- Full use of Terminal Server
- Full use of OPC Gateway



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