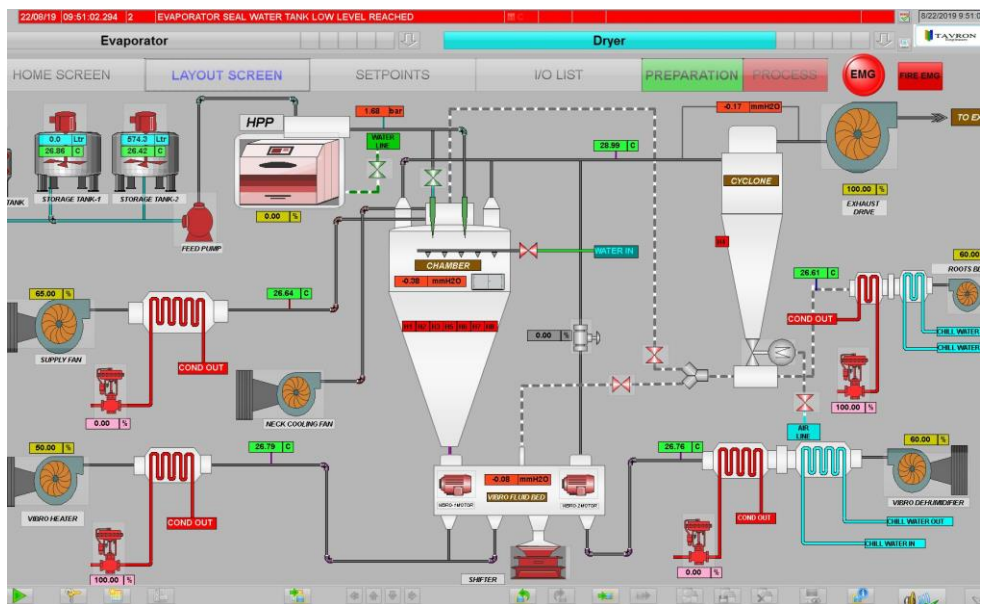


INSTRUMENT & AUTOMATION SOLUTION

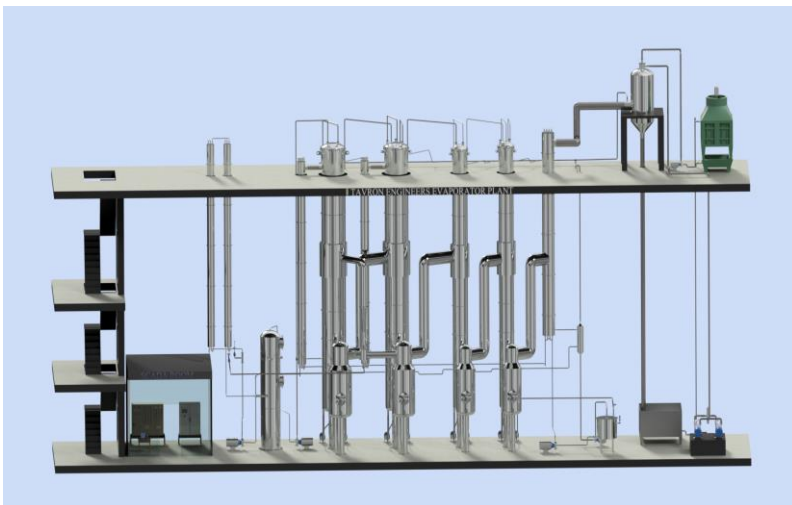
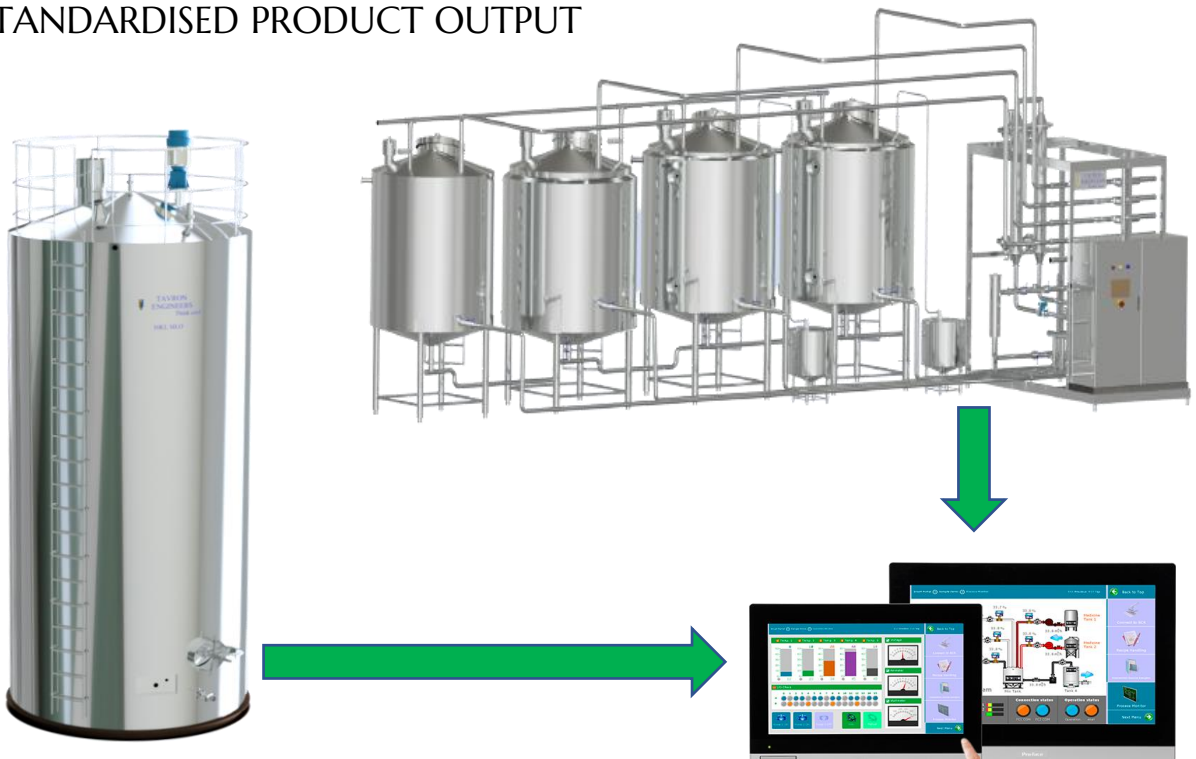


Dairy, Beverage, Chemical & Pharmaceutical Industries

WHY CHOOSE AUTOMATION ?

AUTOMATION IN THE MANUFACTURING AND PROCESS INDUSTRY IS THE METHOD OF INTEGRATING INDUSTRIAL MACHINERY TO AUTOMATICALLY PERFORM TASKS. UTILIZING HARDWARE AND SOFTWARE AUTOMATION INCREASES PRODUCTIVITY, SAFETY AND PROFITABILITY. AUTOMATION BRINGS MANY ADVANTAGES WHEN INCORPORATED PROPERLY.

- REDUCES PRODUCTION COST
- INCREASES PRODUCTION EFFICIENCY
- BETTER QUALITY CONTROL
- END TO END TRACEABILITY
- IMPROVED WORKER SAFETY
- BRAND PROTECTION
- STANDARDISED PRODUCT OUTPUT



PANEL BUILDING

❖ WE AT TAVRON ENGINEERS BUILD PLC PANEL AND MCC PANELS THAT ARE TAILOR MADE AND CUSTOMIZED AS PER THE REQUIREMENT OF THE CUSTOMER

❖ WE PROVIDE COMPLETE CONTROL DRAWINGS PACKAGE, TO UPGRADES/ CHANGES. ALL DRAWING PACKAGES ARE DONE IN AUTOCAD AND CAN BE DELIVERED IN DWG, PDF, AND PAPER COPIES.



PLC PROGRAMMING

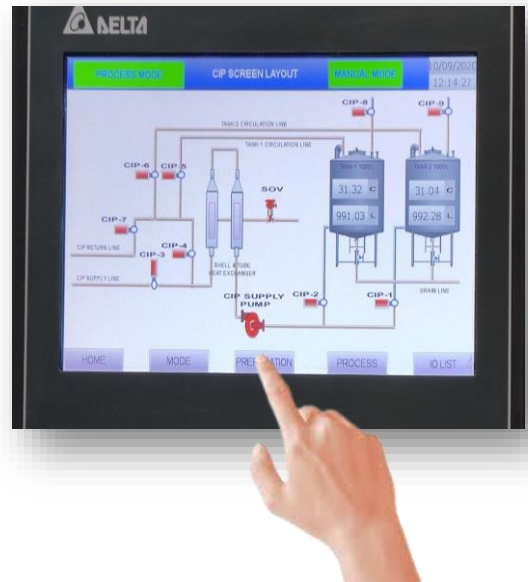
WE OFFER PLC PROGRAMMING SERVICES. DEVELOPING A NEW PROGRAM, UPGRADING AN EXISTING PROGRAM, AND TROUBLESHOOTING AN EXISTING PROGRAM, WE CAN PROVIDE ALL THESE SERVICES FOR YOU. SOME KEY BRANDS INCLUDE, BUT ARE NOT LIMITED TO SIEMENS, ALLEN-BRADLEY AND DELTA.



HMI DESIGN

❖HMI PROGRAMMING IS A KEY PART IN PROVIDING THE OPERATOR WITH ESSENTIAL FEEDBACK. WITHOUT A USER FRIENDLY DESIGN YOUR MACHINE COULD EXPERIENCE UNNECESSARY DOWNTIME. TAVRON ENGINEERS HMI DESIGN AND PROGRAMMING PROVIDES THE OPERATOR WITH AN USER-FRIENDLY EXPERIENCE.

❖SCREEN ARE CUSTOMIZED AND DEVELOPED AS PER THE CUSTOMER REQUIREMENT.



SCADA DESIGN

❖SCADA SYSTEMS AT THEIR FUNDAMENTAL LEVEL ARE INDUSTRIAL CONTROL SYSTEMS. THEY ARE COMPUTER BASED CONTROL SYSTEMS THAT MONITOR AND CONTROL INDUSTRIAL PROCESSES THAT EXIST IN THE PHYSICAL WORLD.

❖THEY ARE THE BEST CONTROL METHOD FOR PROCESSES THAT HAVE LARGE AMOUNTS OF DATA THAT NEED GATHERING AND ANALYZING, OR ARE SPREAD OVER LARGE DISTANCES, OR REQUIRE CRITICAL CONTROL IN FAST PACED PROCESSES.

❖WE PROVIDE FULLY AUTOMATED SCADA BASED SYSTEM FOR EFFICIENT PLANT OPERATION.



INSTALLATION & COMMISSIONING

❖ TAVRON ENGINEERS CAN PROVIDE YOU WITH CONTROLS INSTALLATION AND UPGRADES. WE MAKE SURE EVERY START-UP RUNS AS SMOOTH AS POSSIBLE WITH OUR EXCELLENT SUPPORT.

❖ WE PROVIDE ASSISTANCE IN FIELD INSTALLATION, TESTING AND COMMISSIONING.

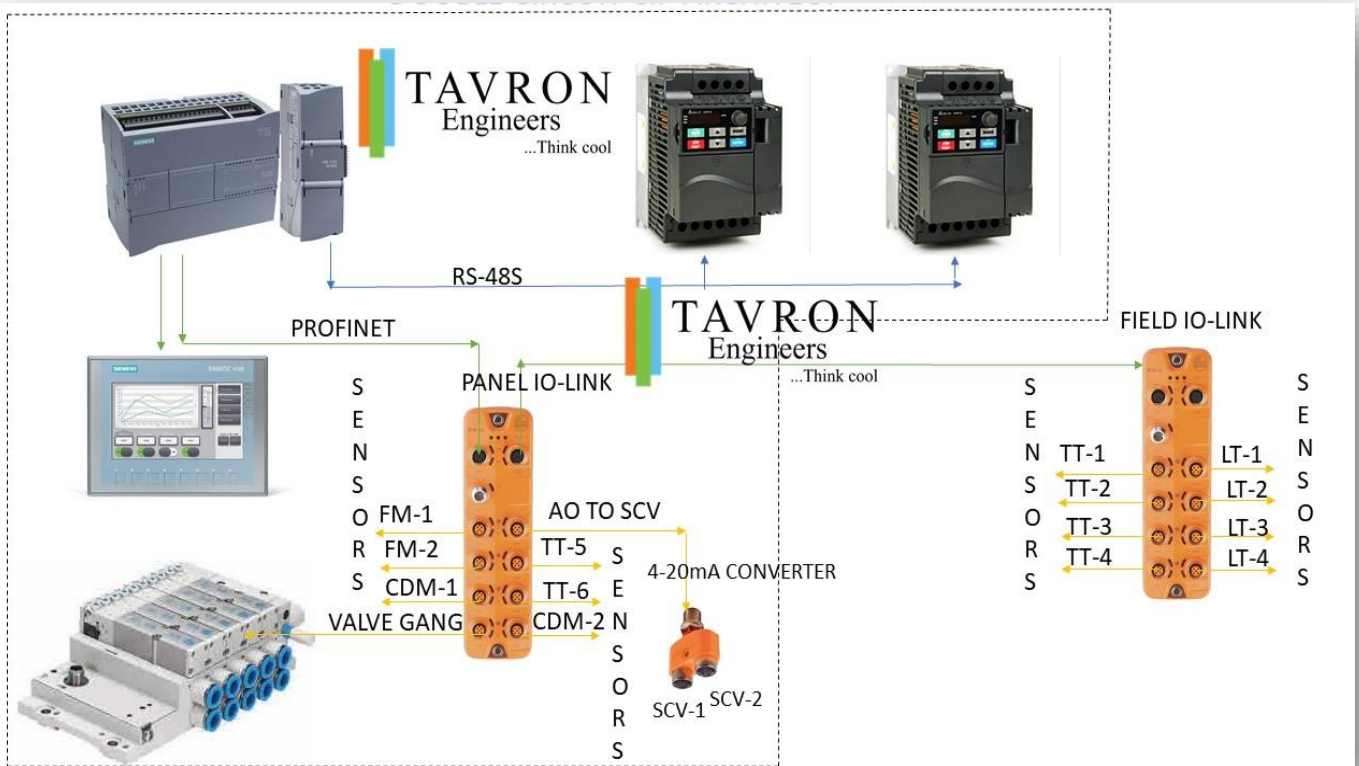
❖ WE HAVE OUR IN-HOUSE TEAM OF DESIGN ENGINEERS, MECHANICAL ENGINEERS, ELECTRICAL AND INSTRUMENTATION ENGINEERS CAPABLE OF SUCCESSFULLY CARRYING OUT MULTIPLE TURN-KEY PROJECT SIMULTANEOUSLY.

RETROFITTING

RETROFITTING YOUR EXISTING PLANT WITH CUTTING-EDGE AUTOMATION SOLUTION LEADS TO FUTURE SUCCESS

IMPLEMENTING A CUTTING-EDGE AUTOMATION SYSTEM CAN DELIVER EXCEPTIONAL SPEED AND PRECISION, LEADING TO REDUCED CYCLE TIMES, INCREASED PRODUCTION VOLUME, AND LESS WASTE OR REWORK.

WE AT TAVRON UNDERTAKE RETROFITTING PROJECTS CONVERTING YOUR LEGACY PLC AND PID SYSTEM TO CURRENT GENERATION OF PLC AND AUTOMATION SOLUTION.



SOME OF OUR AUTOMATION PROJECTS IN DAIRY AND COSMETIC INDUSTRIES

WE HAVE PROVIDED COMPLETE TURN KEY SOLUTION WITH AUTOMATION SOLUTION OF SCADA AND PLC FOR

- ❖ SINGLE CIRCUIT CIP AND DOUBLE CIRCUIT CIP
- ❖ EVAPORATOR SECTION
- ❖ DRYER SECTION
- ❖ LAB MODEL SPRAY DRYERS
- ❖ BUTTER & GHEE PLANT
- ❖ MILK PROCESSING PLANT
- ❖ STERILIZER
- ❖ MIXER SETUP AUTOMATION FOR COSMETICS PLANT
- ❖ REFRIGERATION SYSTEMS ETC.,

WE ALSO PROVIDE TAILOR MADE AUTOMATION SOLUTION AS PER CUSTOMER REQUIREMENT IN OTHER DOMAINS.

