GLOBAL CONCEPT

Company Profile

Who We Are

We are the partner that transforms machines and systems into intelligent, reliable, and future-proof systems. We offer automation solutions that increase productivity, safety, and operational continuity, reducing costs and downtime.

What we do

We help machine builders, integrators, and process companies achieve higher-performance systems thanks to:

- **Certified electrical panels** (including **UL508A** and **CSAC22.2** for export to the USA and Canada)
- **PLC, HMI, SCADA and motion software** on major platforms
- **Complete automation of machines and lines**
- **Revamping and retrofitting** to give new life to existing systems
- **Rapid commissioning** in Italy and abroad
- **Dedicated technical assistance**

Each solution is designed to be **scalable, secure and results-oriented** .

Who we are addressing

We collaborate with companies that want to make a qualitative leap in automation:

- Handling and movement
- Steelworks and metallurgy
- Railway and rolling stock maintenance
- Lifting and cranes
- Packaging and special machines
- Process plants

Our added value

- **Quick turnaround, zero complications**

Quick responses, streamlined management, concrete solutions.

- **International expertise**

European and American standards, regulations always under control.

- **Total reliability**

Projects followed from idea to commissioning.

- **Risk reduction**

Safe, stable automation designed to last.

- **Consultative approach**

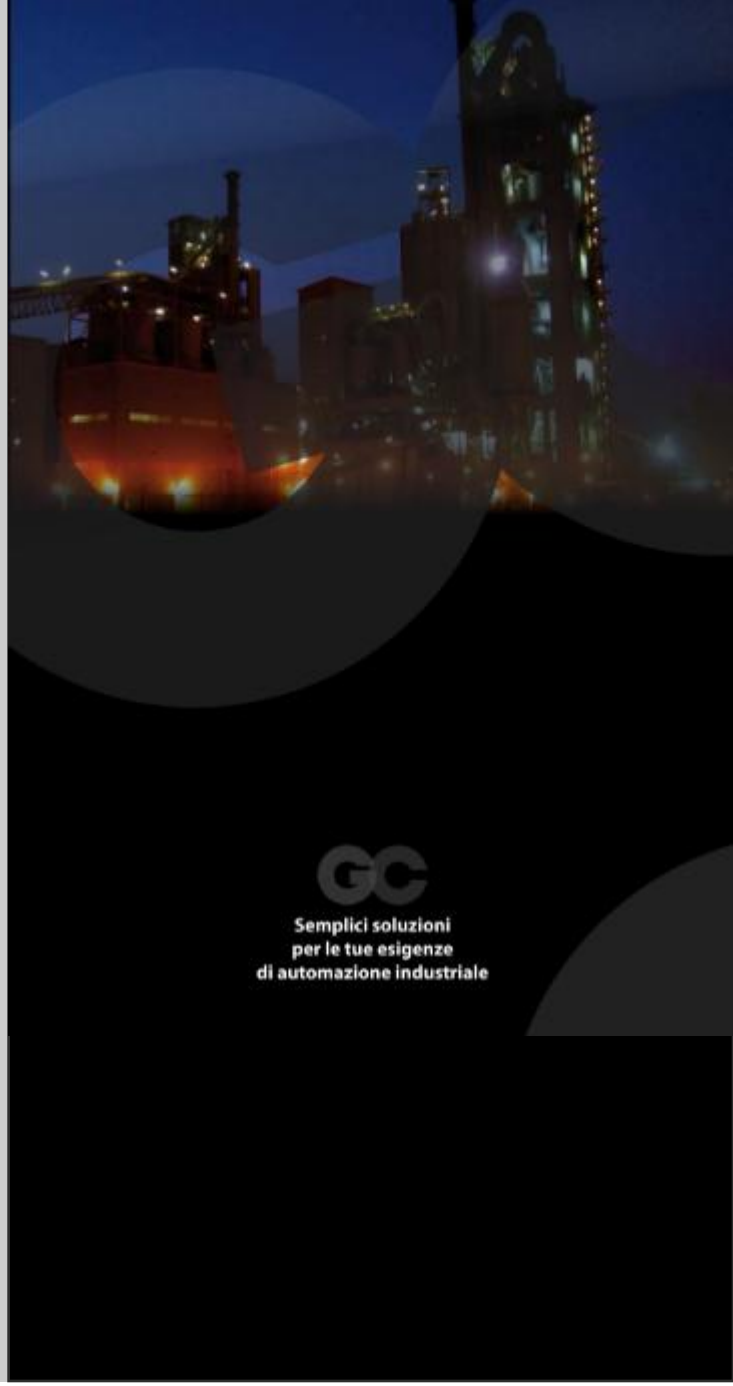
We don't sell products: we build solutions that generate value.

Our promise

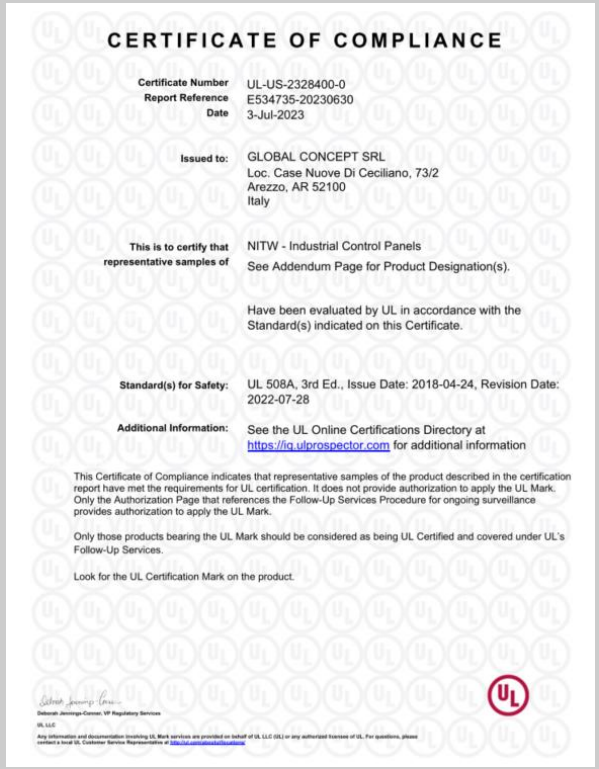
We bring automation where it really matters: at the heart of productivity.
Every project is a commitment to improving our customers' performance, security, and business continuity.

OUR ACTIVITIES

- **MACHINE AUTOMATION**
- **PROCESS AUTOMATION**
- **INDUSTRY 4.0**
- **ELECTRONIC CARDS (µCU)**
- **TELECOMMUNICATIONS**



OUR CERTIFICATIONS



CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-2328400-0
Report Reference E534735-20230630
Date 3-Jul-2023

Issued to: GLOBAL CONCEPT SRL
Loc. Case Nuove Di Ceciliano, 73/2
Arezzo, AR 52100
Italy

This is to certify that representative samples of: NITW - Industrial Control Panels
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 508A, 3rd Ed., Issue Date: 2018-04-24, Revision Date: 2022-07-28

Additional Information: See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

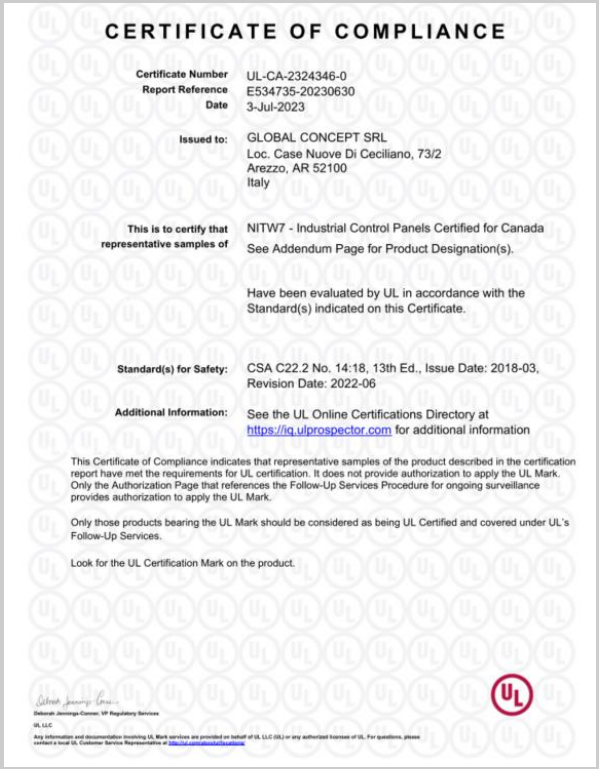
This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Deborah Jennings-Conner, VP Regulatory Services
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://iq.ulprospector.com/cgi-bin/locations.cgi



CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2324346-0
Report Reference E534735-20230630
Date 3-Jul-2023

Issued to: GLOBAL CONCEPT SRL
Loc. Case Nuove Di Ceciliano, 73/2
Arezzo, AR 52100
Italy

This is to certify that representative samples of: NITW7 - Industrial Control Panels Certified for Canada
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: CSA C22.2 No. 14:18, 13th Ed., Issue Date: 2018-03, Revision Date: 2022-06

Additional Information: See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

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Bureau Veritas Certification

GLOBAL CONCEPT SRL

LOC. CASE NUOVE 73/2-52100 Arezzo (AR) - Italy

Il dettaglio dei siti oggetto di certificazione è in allegato al presente certificato

Bureau Veritas Italia S.p.A. certifica che il sistema di gestione dell'organizzazione sopra indicata è stato valutato e giudicato conforme ai requisiti della norma di sistema di gestione seguente

ISO 9001:2015

Campo di applicazione

Sviluppo ed installazione di software per automazione. Progettazione e costruzione di quadri elettrici ed elettronici di automazione, installazione di impianti bordo macchina e reti di comunicazione dati.

Settore IAF: 19,33

Data della certificazione originale: 19-Luglio-2017
Data di scadenza precedente ciclo di certificazione: 18-Luglio-2020
Data dell'Audit di certificazione / rinnovo: 25-Settembre-2020
Data d'inizio del presente ciclo di certificazione: 05-Gennaio-2021
Soggetto al continuo e soddisfacente mantenimento del sistema di gestione questo certificato è valido fino al: 18-Luglio-2023

N° Certificato - Versione: IT303839 - 1 Data di emissione: 05-Gennaio-2021

GIORGIO LANZAFAME - Local Technical Manager

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO
SGQ N° 009A

Indirizzo dell'organismo di certificazione:
Bureau Veritas Italia S.p.A., Viale Monza, 347 - 20126 Milano, Italia

BUREAU VERITAS Certification

GLOBAL CONCEPT SRL
Loc. Case Nuove Di Ceciliano, 73/2 – 52100 AREZZO (AR)

Il dettaglio dei siti oggetto di certificazione è in allegato al presente certificato.

Bureau Veritas Certification Holding SAS – UK Branch certifica che il sistema di gestione dell'organizzazione sopra indicata è stato valutato e giudicato conforme ai requisiti della norma di sistema di gestione seguente

ISO 45001:2018

Campo di applicazione

Sviluppo ed installazione di software per automazione. Progettazione e costruzione di quadri elettrici ed elettronici di automazione, installazione di impianti bordo macchina e reti di comunicazione dati.

Settore/i IAF: 19, 33

Data della certificazione originale: 17 giugno 2019
Data di scadenza precedente ciclo di certificazione: NA
Data dell'Audit di certificazione / rinnovo: 22 maggio 2019
Data d'inizio del presente ciclo di certificazione: 17 giugno 2019

Soggetto al continuo e soddisfacente mantenimento del sistema di gestione questo certificato è valido fino al: 16 giugno 2022

N° Certificato - Revisione: IT290885/UK- 1 del: 17 giugno 2019

ANDREA PELPPI - Local Technical Manager
Firmato per conto di BVCH SAS UK Branch

Indirizzo dell'organismo di certificazione:
5th Floor, 66 Prescot Street, London E1 8HG, United Kingdom

Ufficio locale: Bureau Veritas Italia S.p.A. - Viale Monza, 347 - 20126 Milano, Italia

UKAS MANAGEMENT SYSTEMS
0008

Ulteriori chiarimenti sul campo di applicazione di questo certificato e sui requisiti applicabili della norma del sistema di gestione possono essere ottenuti consultando l'organizzazione.
Per controllare la validità di questo certificato chiamare +1902-272811

UL 508-A CSA C22.2 ISO 9001 ISO 45001

MACHINE AUTOMATION

Complete systems for industrial plants

DESIGN

- **Electrical schematics** and basic engineering (load lists, instrument lists, on-board machine wiring lists). Use of **SPAC Automation** and **EPLAN P8**

- Drafting **functional logic** , such as block diagrams and descriptive diagrams, for the implementation of the operating software. Including machine safety procedures. Risk assessment and performance level calculation .

- **Detailed engineering** (cable list with sizing, electrical and instrumental layout, field connection diagram, cable route layout, instrumentation data sheet , etc.).

ELECTRICAL PANELS

Electrical panels for industrial automation with PLCs and dedicated systems.

OUR PARTNERS

SIEMENS

ABB

Schneider Electric

Rockwell Automation

OMRON Industrial Automation

PLANTS

- On-board machine systems
- On-site installations
- Commissioning and functional testing.

TRANSFORMATION OF OVERHEAD CRANES FROM MANUAL TO AUTOMATIC

Automatic overhead crane automation – Overhead crane automation revamping

Automated AGV Guided Vehicles

Complete Automation – Commissioning and Configuration

AUTOMATION FOR INDUSTRIAL PROCESSES

Process engineering for industrial plants

DESIGN

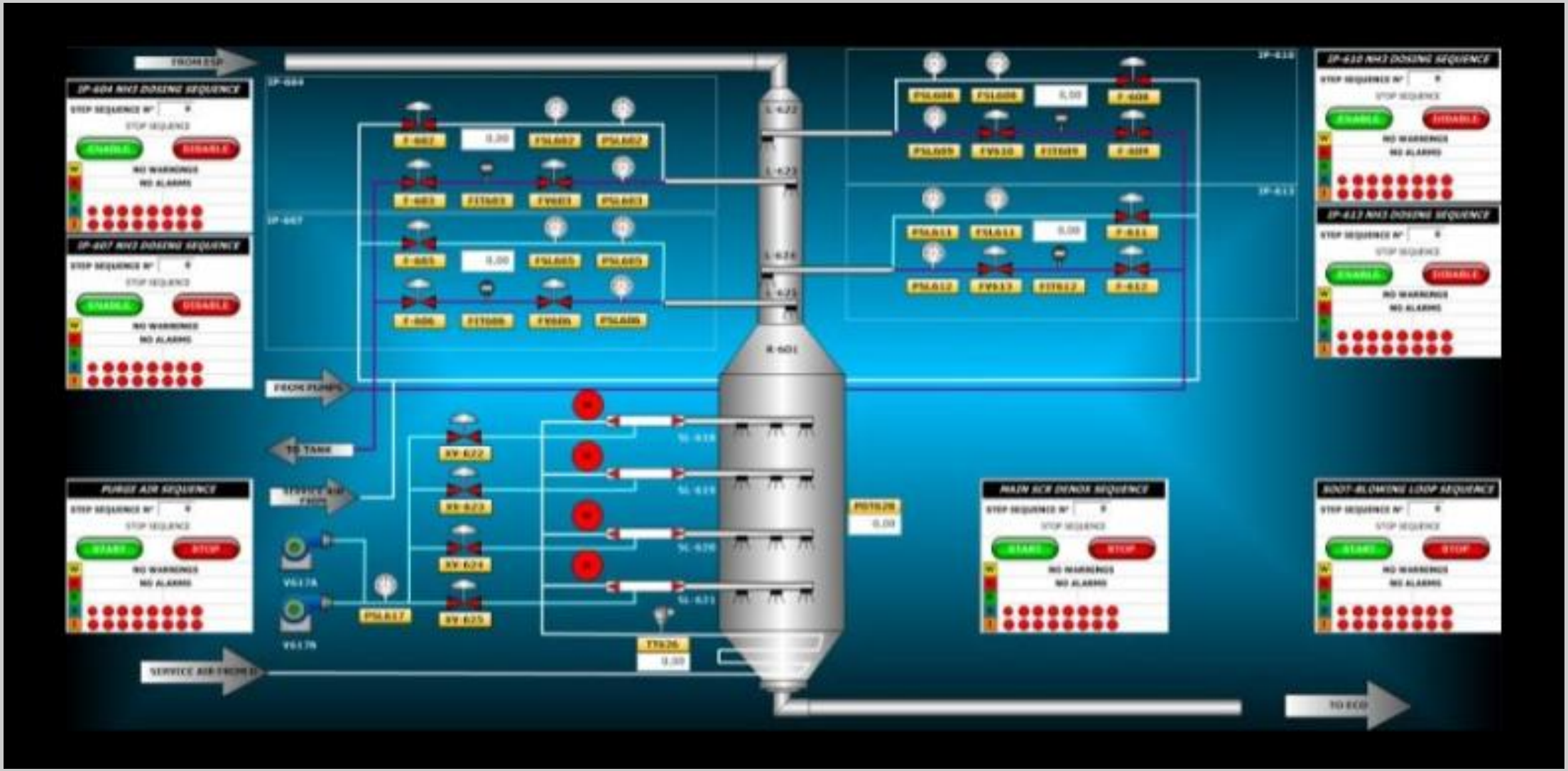
- Identification and selection of **instrumentation for industrial processes** (from raw material production to power).
- Drafting **functional logic** , such as block diagrams and descriptive diagrams, for software development. This includes on/off procedures and safety features for the entire system, as well as control and regulation loops.
- **Basic engineering** (load lists, instrument lists, P&ID process diagram).
- **Detailed engineering** (cable list with sizing, electrical and instrumental layout, field connection diagram, cable route layout, instrumentation data sheet, etc).

- Design and construction of control panels for electrofilters (applications up to 110KV and 1600mA).
- Design and construction of command and control panels for bag filters (with flow rates up to 1M Nm^3/h and over 400 solenoids).
- Design and construction of De- Nox systems, with diluted liquid urea, to be diluted, granular, ammonia or catalytic.
- Design and construction of dosers and micro-dosers for SOX abatement (hydrated lime or bicarbonate).
- Design and construction of dosers and micro-dosers for dioxin abatement (Sorbacal or activated carbon combined with lime).

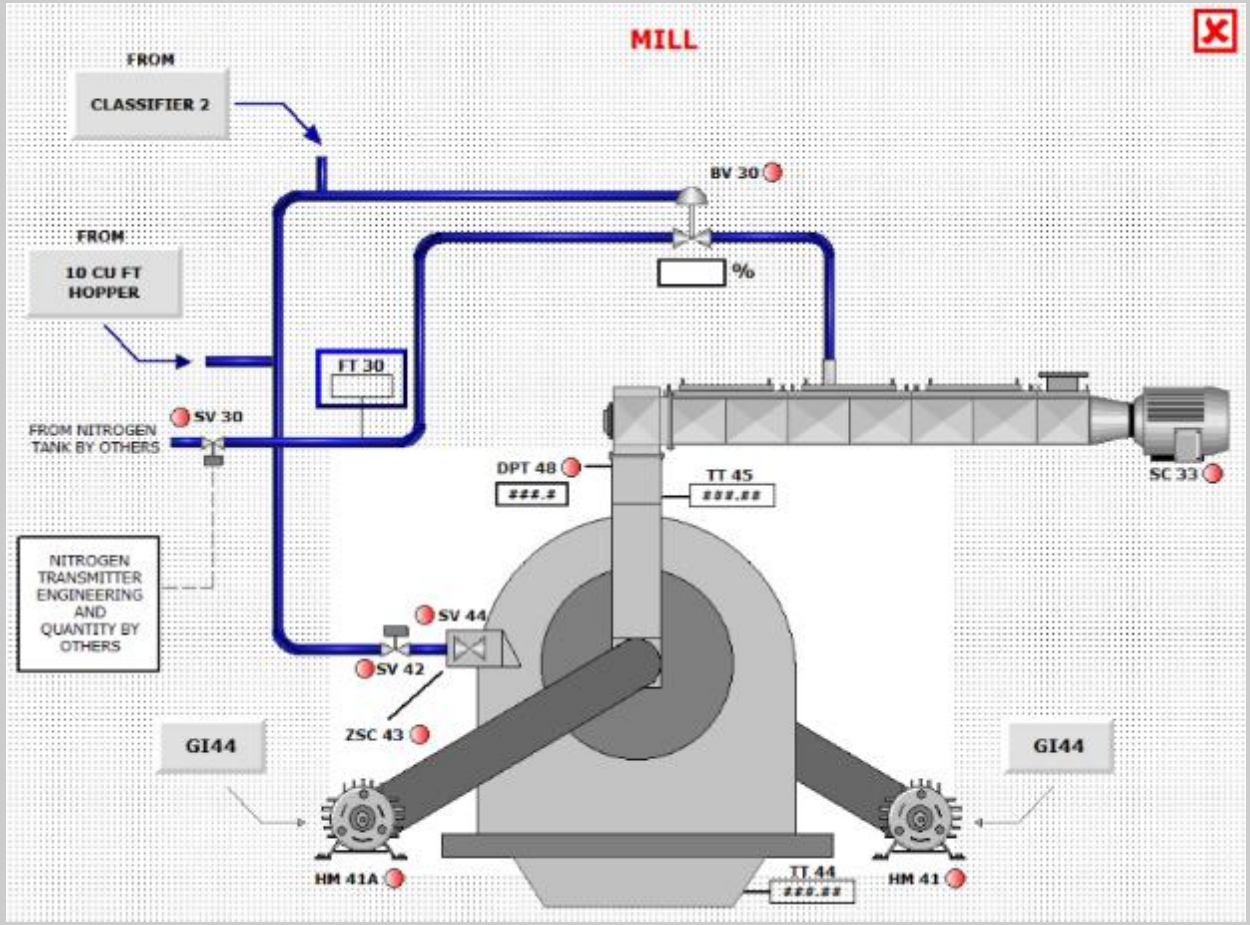
ELECTRICAL PANELS AND SYSTEMS

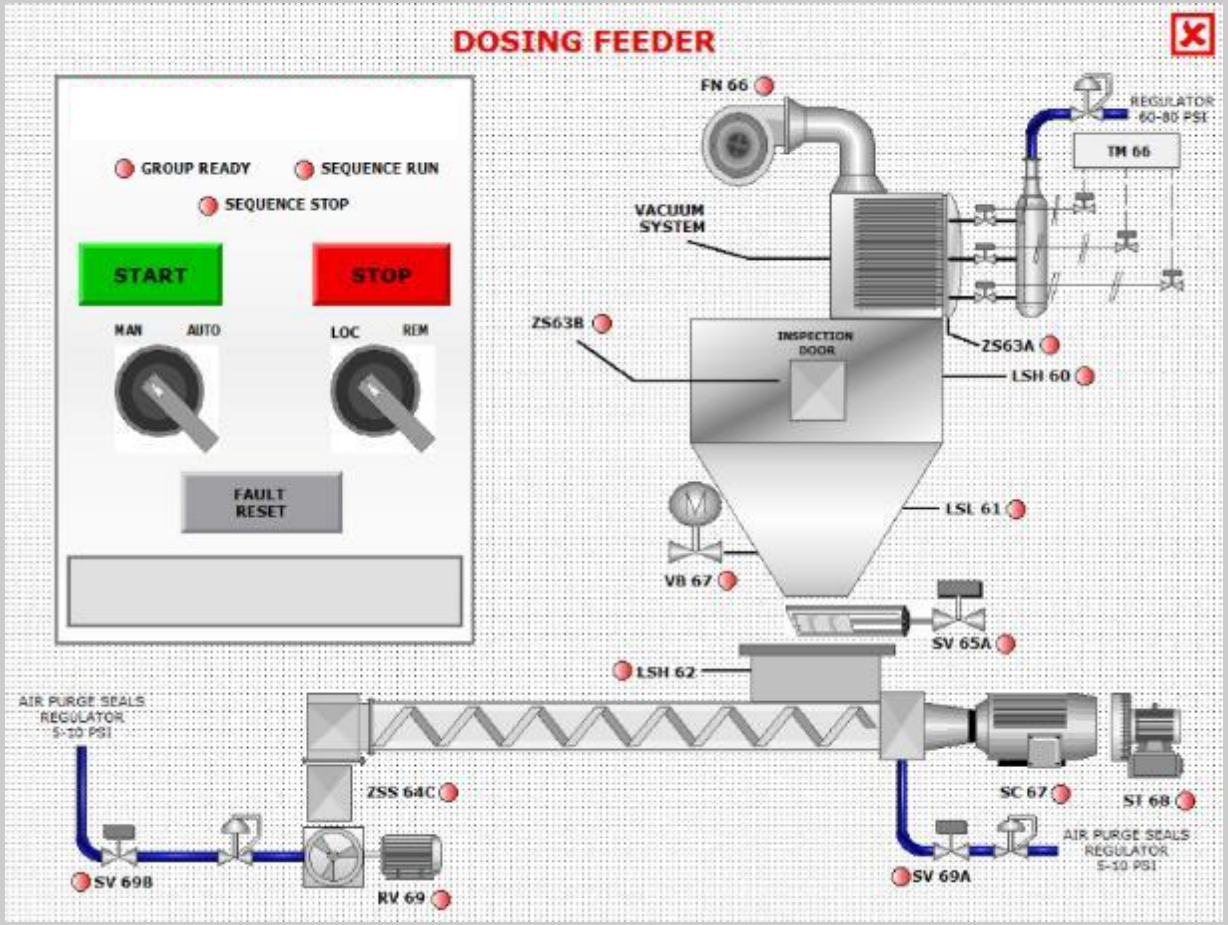
- Design and construction of electrical distribution panels and PLCs. Form 1 and pull-out cabinetry.
- Construction of on-site systems for process automation for power utilities and instrumentation.

- Design and construction of **PLC panels** for process automation or production machine control.
- Design of industrial networks with **field BUSes** (Modbus, Profibus, Profinet, ETH, CANOpen, etc).
- Design and construction of **communication gateways** for various types of protocols.
- Development of **custom electronic boards** for various industrial applications, from microcontrollers to power electronics (static converters).
- Creation of remote **supervision** and control systems, operator interfaces, and process control.

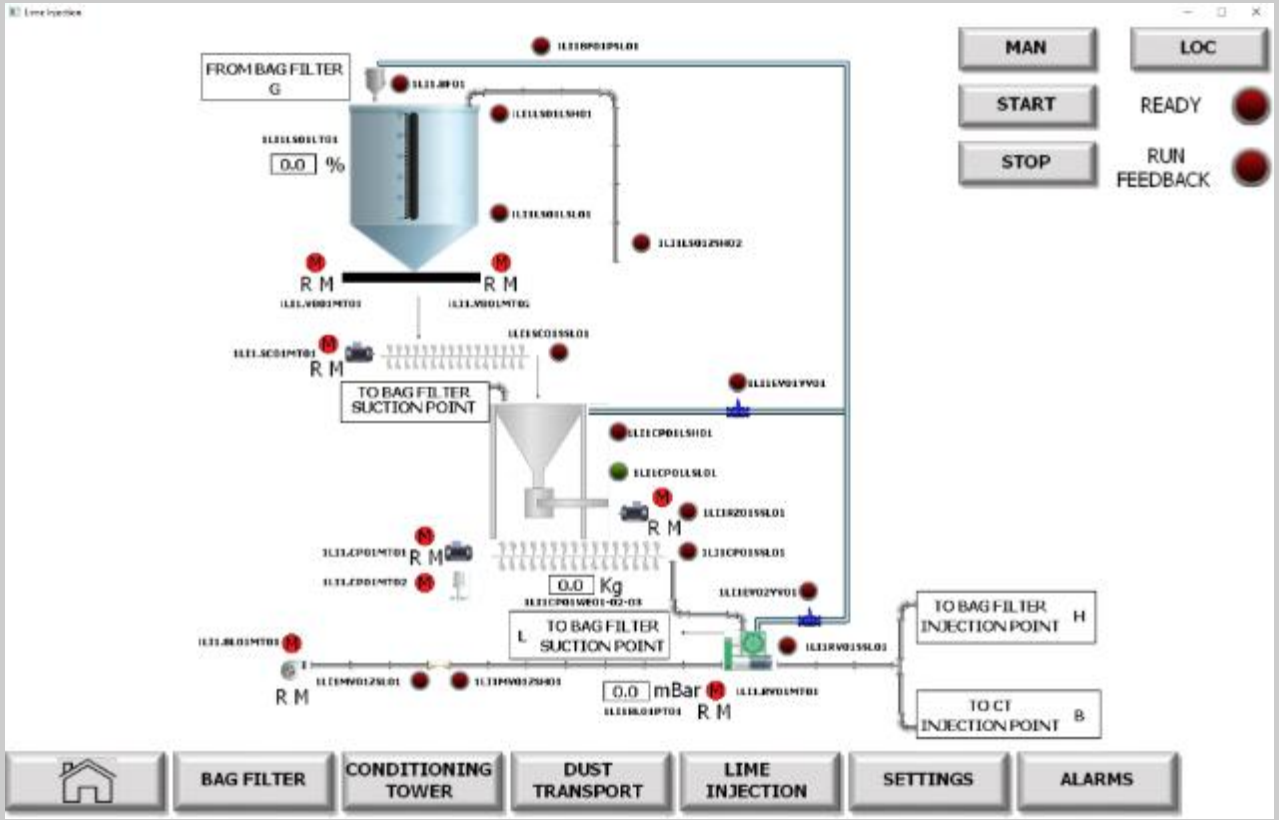


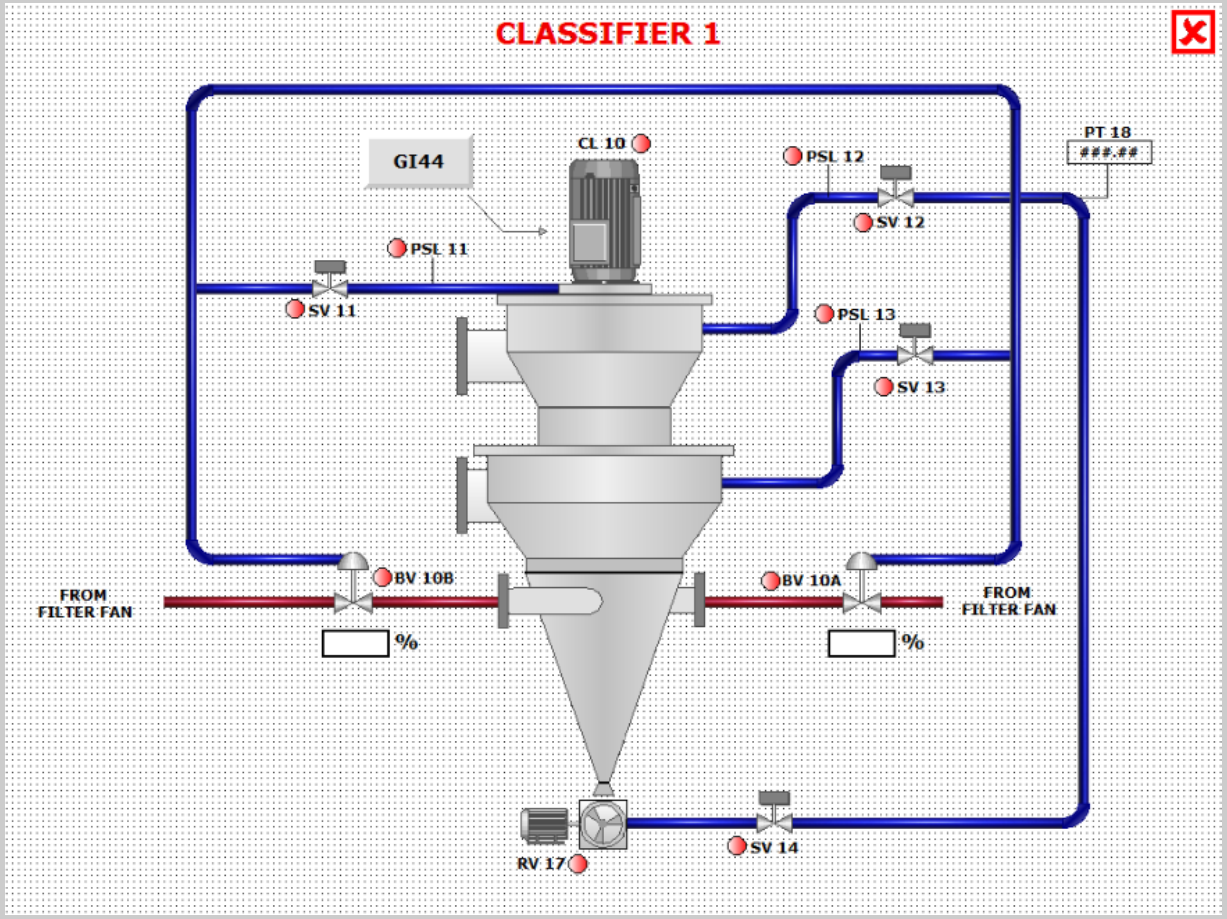
USER INTERFACE





USER INTERFACE





USER INTERFACE

AIR TREATMENT PLANT – WASTE INCINERATION (MSW)

BRD-1 filter sleeve cleaning control panel

Consisting of a PLC (Siemens, Rockwell, Schneider) capable of managing bag filter cleaning sequences with the following features:
- Number of piloted valves: over 450
- Compressed air tank pressure switches
- Compressed air line pressure transmitters
- Self-calibrating ΔP transmitters
- Compartmentation damper management
- Fixed or variable cleaning mode
- Post-cleaning
- 24Vdc/230Vac/380Vac power supply
- Hardwired or fieldbus interface
- ETH/4G VPN remote management and control

QE-HV electrostatic filter control panel

Ideal for revamping existing ESPs, it adapts to any type of transformer.
Consisting of a Siemens PLC and dedicated electronic boards (designed and built by us).
Features:
- 2 Phases 380-480Vac 50/60Hz
- Max. current 500A
- Max. secondary voltage 110KV
- Fully configurable HMI
- Hardwired or fieldbus interface
- ETH/4G VPN remote management and control

AIR TREATMENT SYSTEM - CEMENT FACTORY

AIR TREATMENT SYSTEM - DeNox

INDUSTRY 4.0 / 5.0

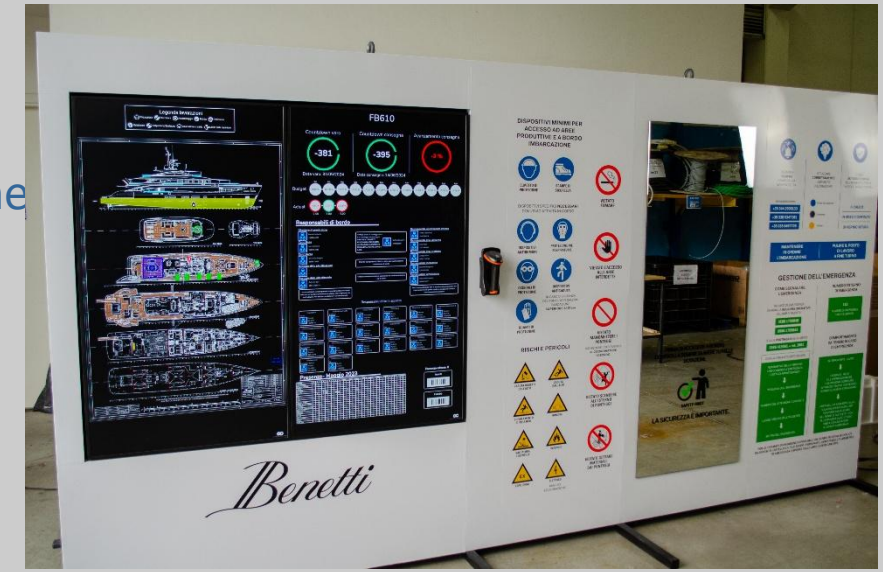
Transform the company into a fully digitalized and interconnected enterprise, making it a 4.0 company according to the indications of Industry 4.0 and Digital Transformation.

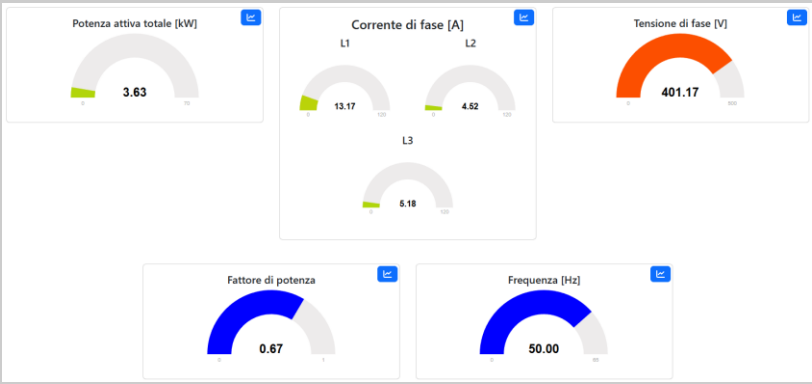
The term digitalization refers to a process that seeks to transform interactions, communications, business functions and business models into digital models.

Among the interventions that Global Concept carries out for companies, of particular importance is INDUSTRY 4.0, the intervention model for the digitalization of startups and SMEs.

Services offered:

- Feasibility study and verification of compliance with regulatory requireme
- Organizational and procedural innovation;
- Technological innovation: new plants, machinery and new technologies;
- Automation and robotics;
- Digital innovation:
    - In production, logistics and maintenance processes
    - In management processes
- Adapting machines to the dictates of Industry 4.0
- Design, supply, and installation of integrated production process digitalization systems (MES), both on new and existing, older machines.

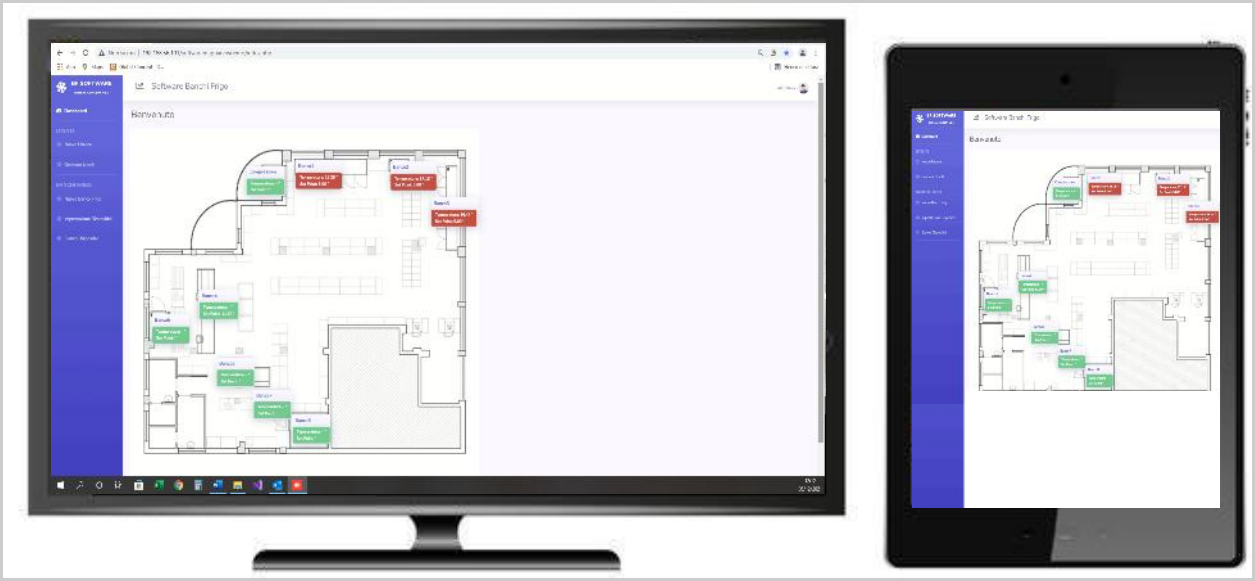


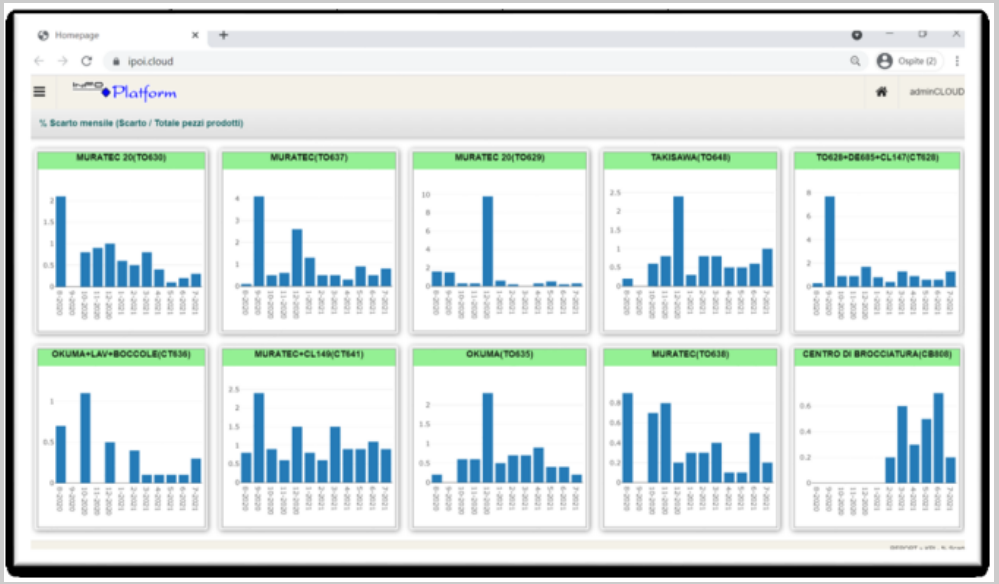



LINCOLN ELECTRIC
Shop :- Roughing line
Product Completed This Shift
Shop
Machine
Product
Weight Produced
Target Weight
Production live Chart
Previous Shift Report
Shop
Machine Name
Production Target (Weight)
Weight Produced
Target Uptime (%)
Uptime (%)
Roughing line
Roughdraw 2
5114
6279
80
79
Roughing line
Roughdraw 3
5114
1365
80
24
Roughing line
Roughdraw 4
5114
7183
80
89
Roughing line
Roughdraw 7
5114
2899
80
45
Roughing line
Roughdraw 8
5114
3076
80
50
Roughing line
Roughdraw 9
5114
6444
80
81
Downtime Record
Reason/Machine:-
Roughdraw 9 :Downtime Min [Count]
Total Downtime Min
reason not entered
18 [1]
18
Total Downtime Min
18
18
Waiting For Downtime Reason Entry


MES
PROJECT

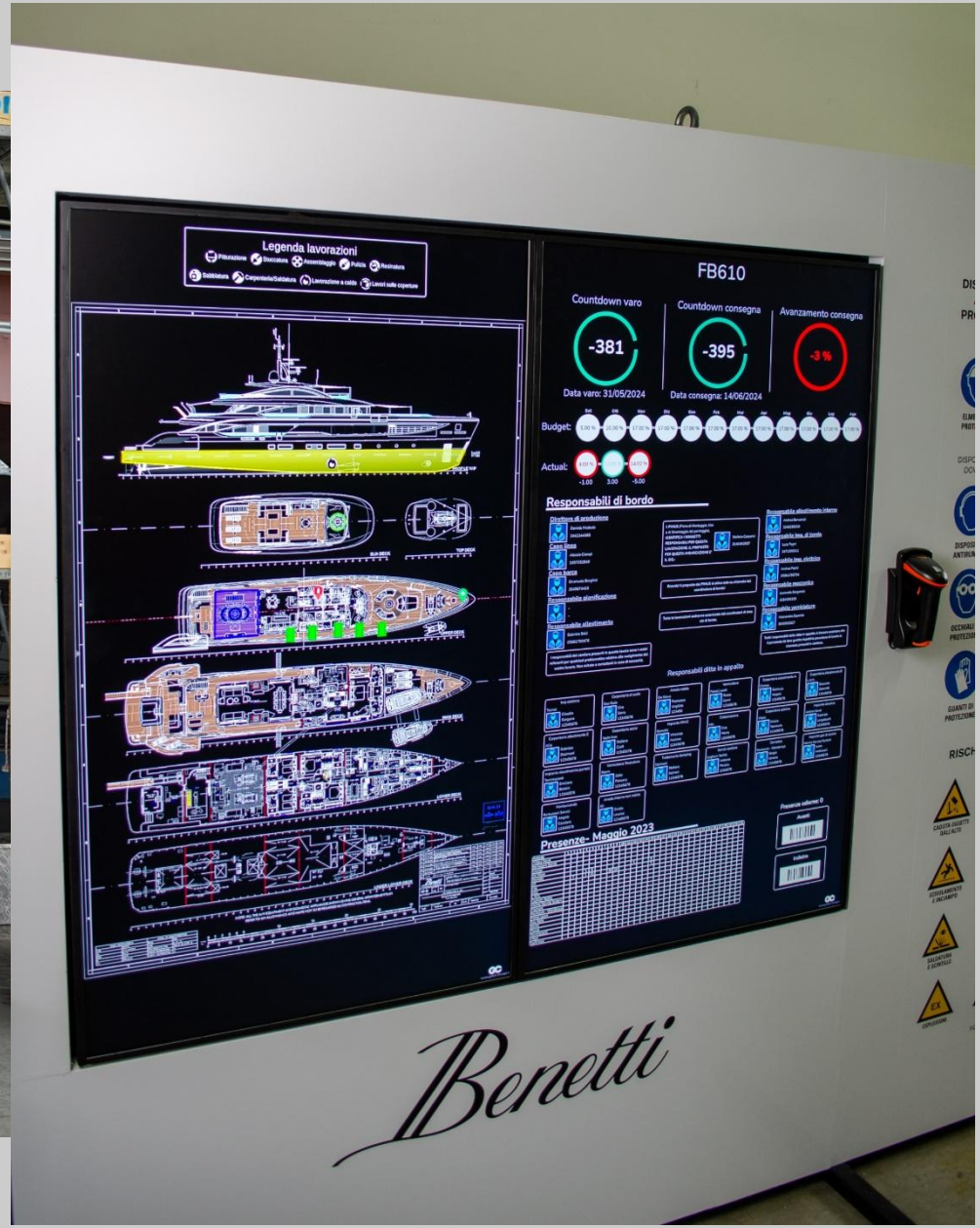

MURATEC+CL149(CT641)
OEE 89.76%
QUAL 100.00%
DISP 88.00%
PROD 102.00%
Ultimi eventi
FERMO NON GIUSTIFICATO
FERMO NON GIUSTIFICATO
Cambio inserti
FERMO NON GIUSTIFICATO
Chat
MURATEC+CL149 (CT641)
Invia

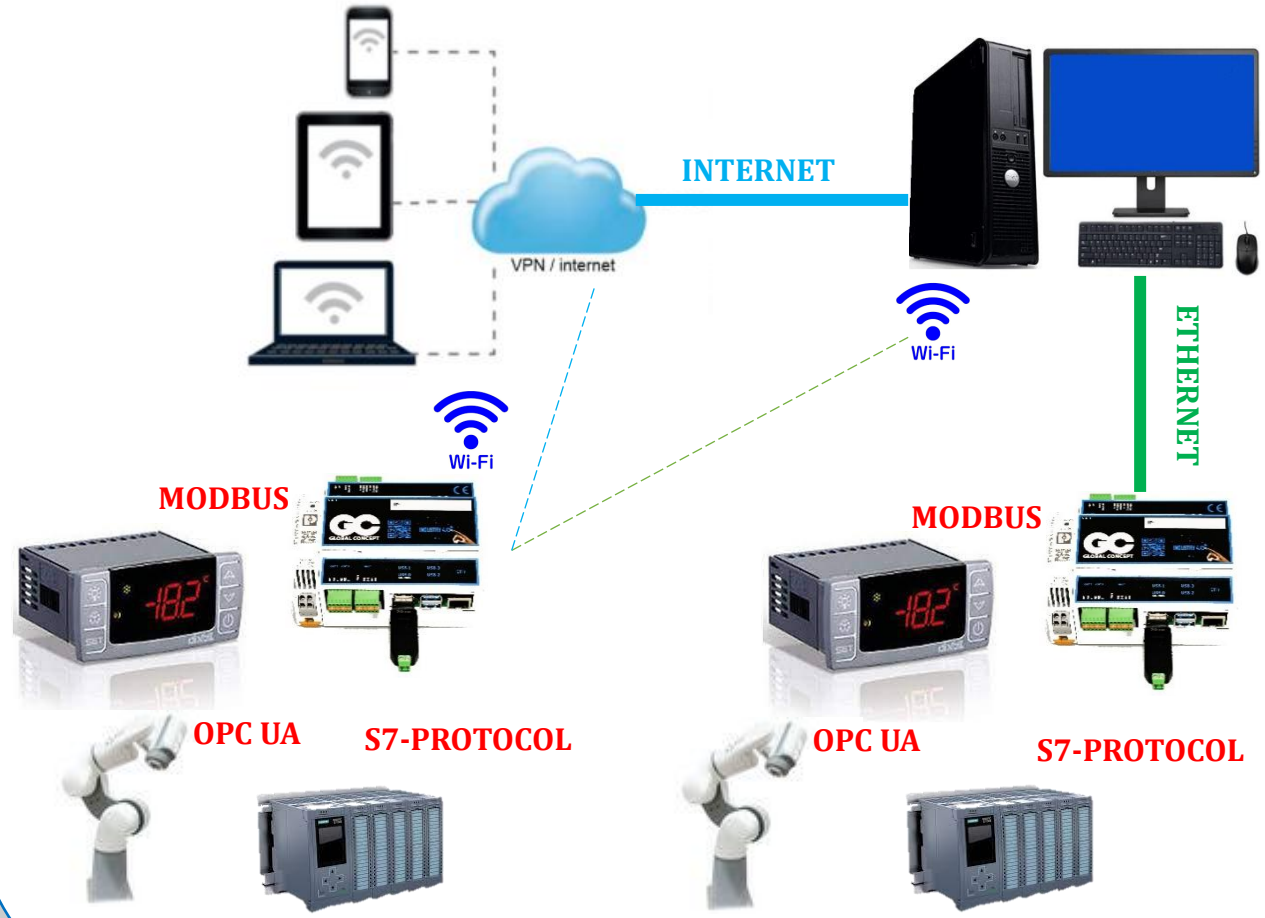



Platform
% Scarto mensile (Scarto / Totale pezzi prodotti)
MURATEC 20(TO630)
MURATEC(TO637)
MURATEC 20(TO629)
TAKISAWA(TO648)
TO628+DE685+CL147(CT628)
OKUMA+LAV+BOCCOLE(CT636)
MURATEC+CL149(CT641)
OKUMA(TO635)
MURATEC(TO638)
CENTRO DI BROCCIATURA(CB808)


Platform
TO635 13/07/2021 (PRIMO)
OEE
78%
Qualità
1%
Disponibilità
0.78%
Produttività
1%


FB610
-381
-395
Presenze- Maggio 2023
DISPOSITIVI MINIMI PER ACCESSO AD AREE PRODUTTIVE E A BORDO IMBARCAZIONE
VIETATO FUMARE
VIETATO L'ACCESSO ALLE AREE INTERESSATE
VIETATO MANOMETTERE I PONTEGGI
VIETATO SCENDERE ALL'ESTERNO DI PONTEGGI
VIETATO GETTARE MATERIALI DAL PONTEGGIO
RISCHI E PERICOLI
SAFETY FIRST
LA SICUREZZA È IMPORTANTE.
MANTENERE IN ORDINE L'IMBARCAZIONE
PULIRE IL POSTO DI LAVORO A FINE TURNO
GESTIONE DELL'EMERGENZA
COME SEGNALARE L'EMERGENZA
NUMERO ESTERNO DI EMERGENZA
112
COMPORTAMENTO DA TENERE IN CASO DI EMERGENZA
Benetti


Legenda lavorazioni
FB610
Countdown varo
Countdown consegna
Avanzamento consegna
-381
-395
-3 %
Data varo: 31/05/2024
Data consegna: 14/06/2024
Budget:
Actual:
Responsabili di bordo
Responsabili ditte in appalto
Presenze- Maggio 2023
Benetti



Example of complete infrastructure.

Connecting new and existing machines to the GC CLOUD.

Centralization of the production process.

Modbus interface; OPCUA; S7 protocol (Siemens PLC)

Design, Development and Prototyping of electronic cards

(µCU cards)

- Development of control devices based on new generation programmable electronic technologies that can be easily integrated into process control and automation solutions

- Microcontroller technology, specifically designed to optimize the processes to be controlled and to reduce the costs of plant construction

- «Embedded» solutions – «customer oriented »

Machinery and equipment

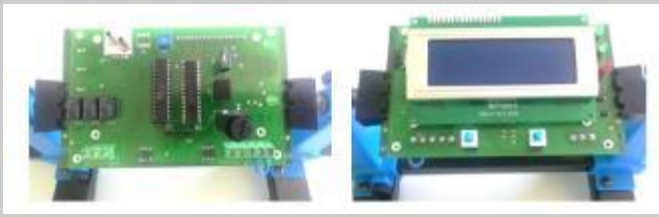
- Automatic CNC for milling / drilling printed circuit boards
- Reflow soldering oven for printed circuit boards
- Semi-automatic P&P for SMD component assembly
- PCB Through-Hole Conductivity
- Solder Resist Masks and Assembly Layouts
- Bromograph
- Equipped workbenches
- SW for electrical / electronic design

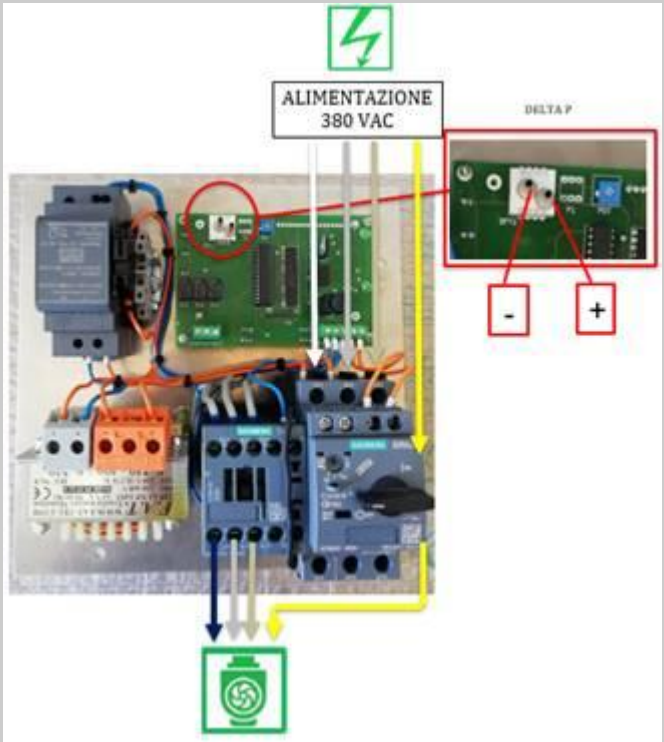
EQUIPPED ELECTRONIC LABORATORY

Automatic CNC for milling printed circuit boards, semi-automatic Pick & Place for component placement, Welding furnace.

CONTROL DEVICE FOR SUCTION BENCHES

- Custom microcontroller board
  - Vin = 85 – 280 VAC
  - Vout = 5 VDC
- 4x20 LCD display (for digital counter)
- SD card for data logger
- Integrated Differential Pressure (DP) Transmitter





Based on the use of micro-controller integrated on a “custom” electronic board

Telecommunications

Construction of fixed fiber optic and copper networks.
Active participation in the Italian Open Fiber project, Infratel.

Specializing in the creation of indoor and outdoor **POP (Point of Presence) sites** for the distribution of ultra-broadband fiber optics and in the creation of urban networks.

Activity:

- Indoor and outdoor website creation
- fiber optic installation
- fiber optic junction
- construction of infrastructures with advanced technologies (copper and fiber)
- walk in
- adduction (FTTH)

POP (Point of Presence) created:
Livorno, La Spezia, Genoa, Parma, Piacenza, Modena, Cremona, Arezzo

POP (Point of Presence)

POP (Point of Presence)

GLOBAL CONCEPT
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