



**Pro-face solutions in a time of Covid-19**



Covid-19 has Transformed the World

A photograph of a person in a cleanroom or laboratory setting. The person is wearing a white lab coat, a blue surgical mask, a hairnet, and blue gloves. They are standing next to large, stainless steel industrial tanks or vats, which are connected by various pipes and hoses. The person is pointing their right hand towards a control panel or a piece of equipment on the right side of the frame. The background is a bright, sterile environment with white walls and ceiling lights. The overall tone of the image is professional and technical.

**What Will Manufacturing's New Normal Be?**

Covid-19 has Transformed the World

# Paradigm shift



Get ready for the future with Pro-face

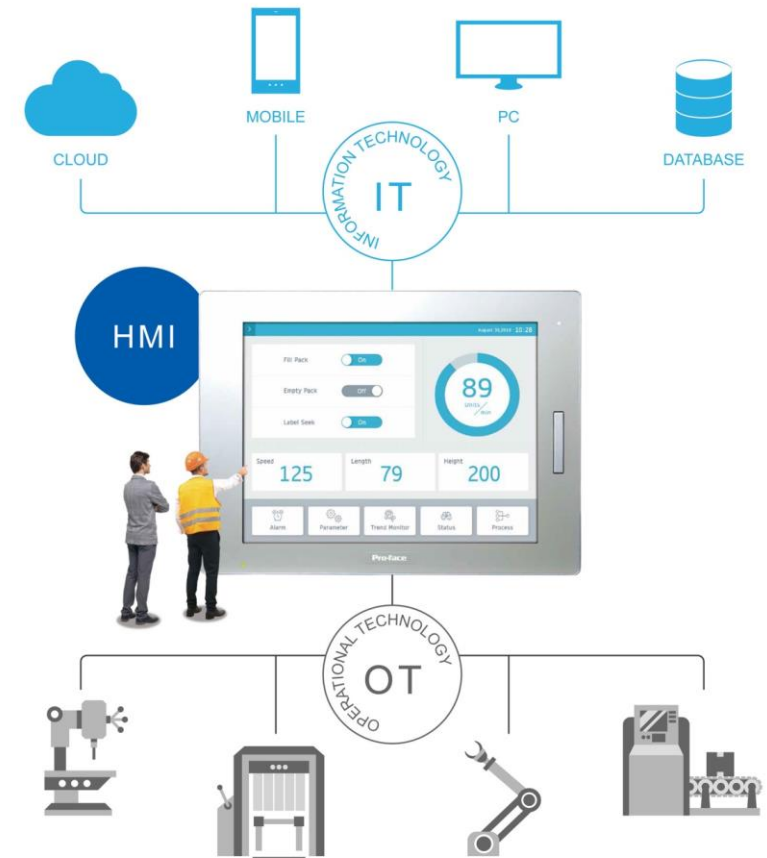


As an HMI specialist, this is  
our mission in a time of  
Covid-19

Make sure the **human interfaces**  
to the machines and system are  
as **safe** as possible. But also to  
**leverage our innovative**  
**technology** to answer the new  
challenges that the entire **world**  
**population** is facing.

## HMI Centric Concept

HMI is a window to people and machines that lets everyone from operators to managers access the information they need in the format they desire from any device or network. HMI Centric Solutions make the best of the human workforce with the digital technology.



# Four Main Challenges where Pro-face Could be the Solution

## Hygiene



- HMI Screen cleaning recommendations
- Rear-mount HMI to keep high sanitary level

## Contact Reduction



- Touch operations with gloves
- System to avoid common equipment
- Minimal or Zero touch operation using an ID card reader

## Social distancing



- A full set of HMI solutions on a personal device
- Stay home while doing efficient maintenance tasks

## Healthcare Challenges



- For Healthcare industry



# 1 Hygiene



We have very detailed reports regarding the resistance by chemical elements.  
Possibility to clean up with alcohol with demonstrated resistance.

FAQ: FA406458

## Can alcohol be used to clean and disinfect HMI products such as programmable displays and industrial computers?

It's possible.

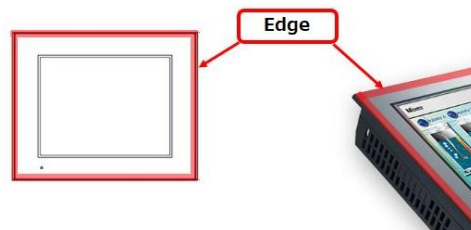
Our programmable displays, displays of industrial computers, can be disinfected using a commercially available alcohol (such as ethanol) disinfectant. Do not spray the disinfectant directly on the display, but soak it on a soft cloth and wipe it slowly.

\* It can be used in the same way even if the environmental protection cover is used.

However, please note the following points.

Please pay attention to the precautions of the disinfectant used and the usage environment.

Do not use thinner, benzene, organic solvents and strong acidic substances. To protect the touch sheet, do not rub the edge part strongly.



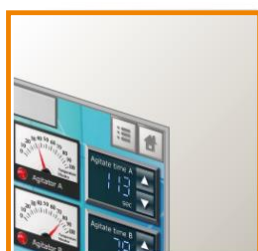
▶ FAQ

(Search by FA406458)

Flat mounting has the benefit of **preventing the accumulation of dust and mold**, and even allows the display to be used in **medical equipment**, food manufacturing equipment and other devices used in **environments where hygiene is important**.

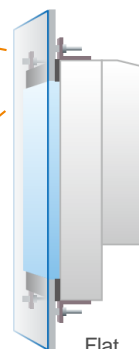
## Maintain Hygiene of Display Area (Flat mount only)

Creates a flat, SEAMLESS display area to prevent accumulation of mold and dust, and to maintain a hygienic environment. Protective structure performance equivalent to IP65F can be expected\*.



## Choose from Mounting Patterns

Screen and bracket position selectable



Flat mount

Overlay  
Panel surface  
(Metal or Plastic)  
LCD screen



Standard mount

\* By affixing an overlay (optional) to a console made from a specified material or a surface-treated console. For details, please refer to the Hardware manual.






# Contact Reduction



# Touch Operation is Possible Even When Wearing Medical Gloves

## Operation with gloves to reduce contact

Product	Touch Panel Type	Gloves	Touch Pens
GP4000 Series (Including GP4000H, GP4000M, GP4100 series) SP5000 Series (Expect 15"W and 19"W) SP5000X Series LT4000M Series PS5000 Series 15.0" and 12.1"	Resistive Touch Panel	OK	OK (Recommended Touch Pen: CA7-TPPEN/ALL-01 (5 pieces per set))
SP5000 15"W and 19"W PS5000 (Except 15.0" & 12.1")	Capacitive Touch Panel	Industry use gloves: OK <sup>*1</sup>	Touch Pens for Smart Phone/Tablet

- Note:
- If you operate with something that has a pointed top like a ballpoint pen, the touch panel might get damaged and might not run. Be careful.
  - Touch Pen: CA7-TPPEN/ALL-01 cannot be used for models using capacitive touch panels.
- 

<sup>\*1</sup> Following materials/Thickness of gloves were tested and worked

Polyethylene	PVC	Cotton	Leather	Rubber
				
0.03~1mm	0.3~1.8mm	1.5mm	1.7mm	1.1mm

Be sure to check the operation before starting to use. Depend on materials, mixed spinning or thickness, you might not able to operate.



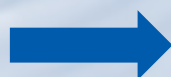


## Use your own HMI - Avoid contacting common equipment

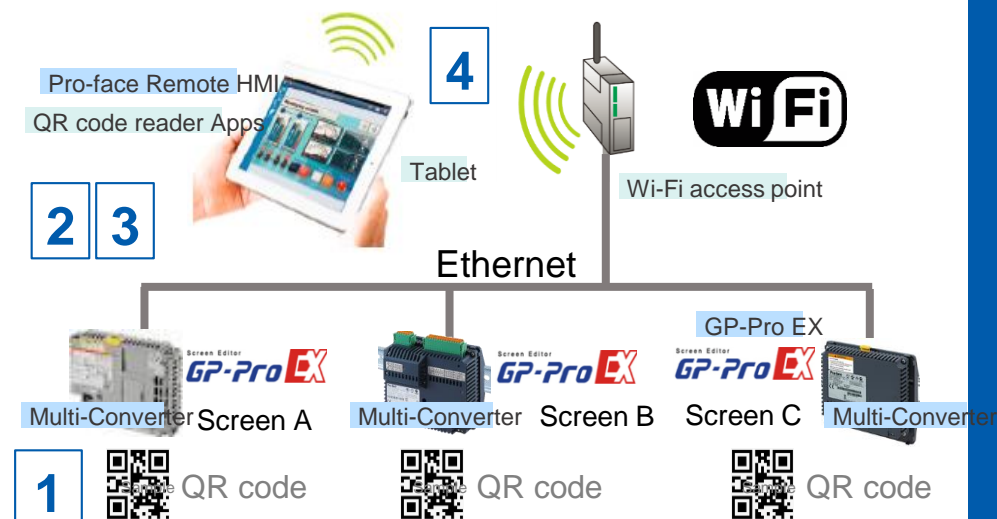
### Mobile operations by Box HMI + QR code + Tablet

How does it work

- 1 Create QR (IP address, server Name).
- 2 Read the QR with a tablet.
- 3 Connect to the HMI Box specified by QR.
- 4 Monitor and operate the HMI via tablet.



192.168.1.10



► For more details

Reduce touch to type in ID and Password by using ID card (NFC) reader

## Enhance Security by ID card

### How does it work

- 1 Reuse sample project file (Extended Script and screen template) to communicate with the NFC card.
- 2 Configure user management (security).
- 3 Register ID card to the HMI.



Login / Logout



Login / Logout



Login / Logout

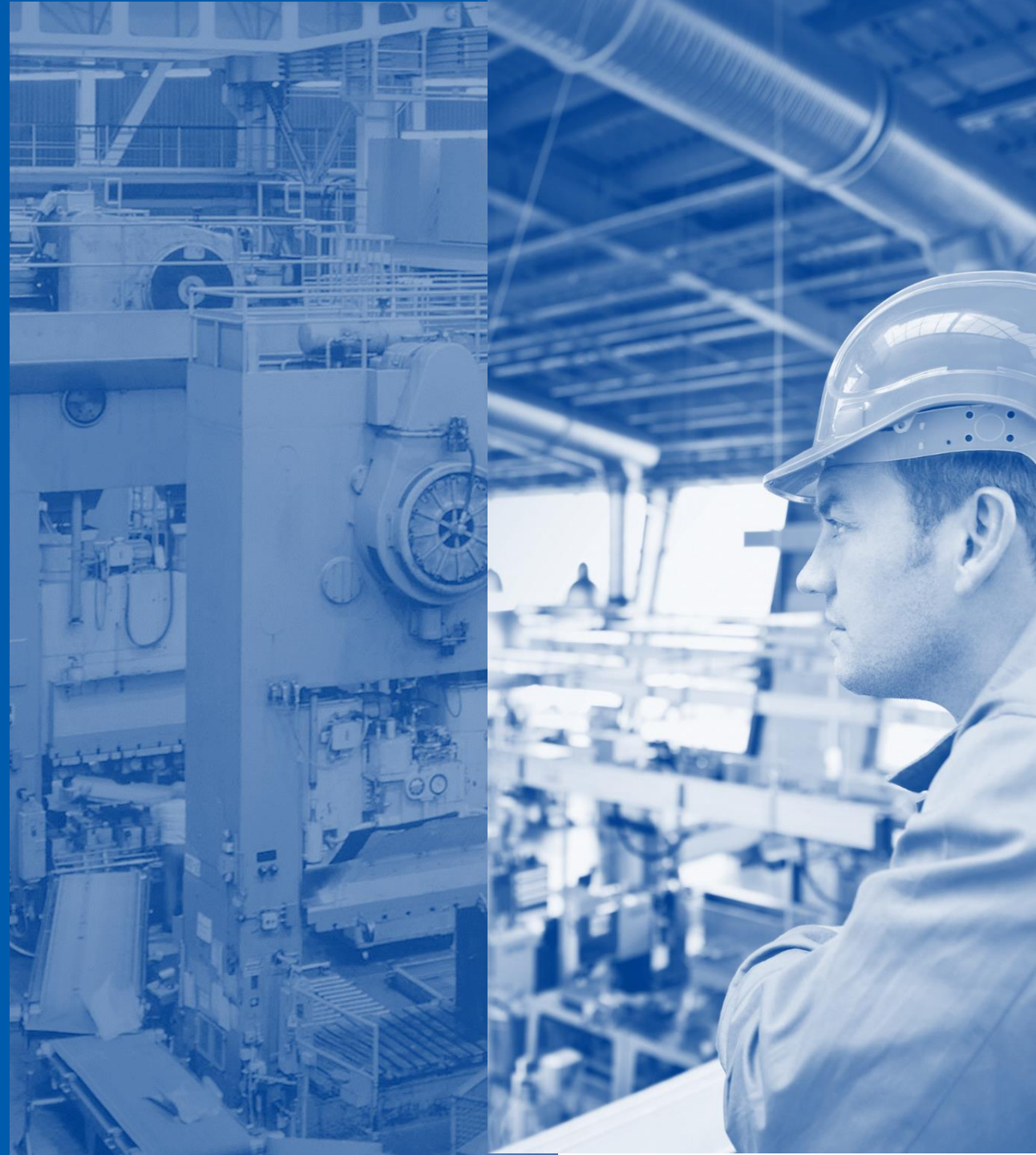
Track who did what, and when



► For more details



# Social Distancing



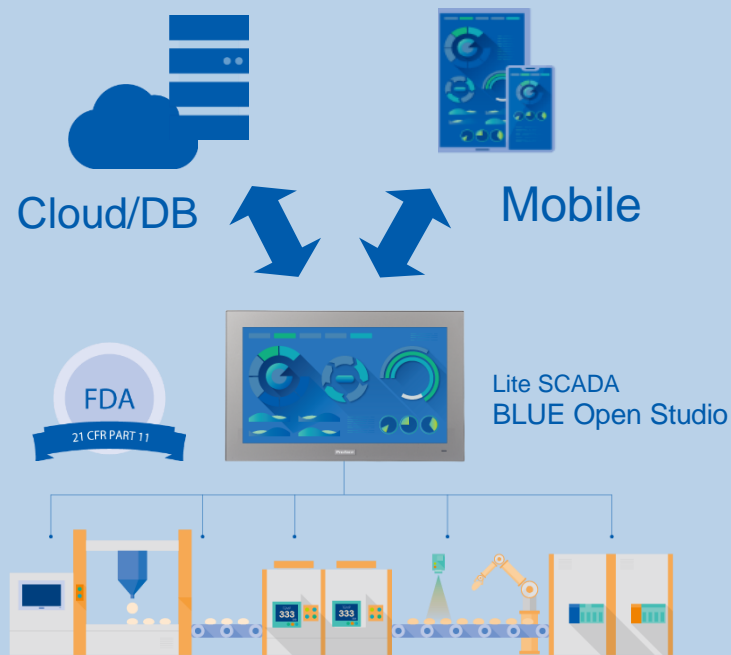
# A Full Set of HMI Solutions on a Personal Device

Keep your distance with the Machine.

Monitor and operate equipment information / on-site screen on several types of thin client.

## Mobile Access to SCADA

Monitor and operate **BLUE Open Studio** screen with high level of security



► For more details

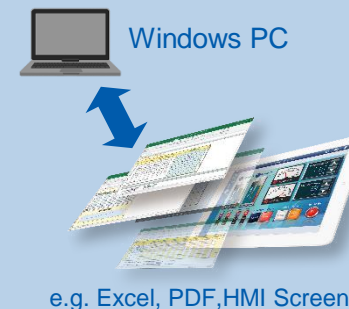
## Mobile Access to HMI or PC

Enable portable HMI with Pro-face RemoteHMI

Allows you to monitor and operate HMI screen made by GP-Pro EX



Windows based remote monitoring application by Pro-face RemoteHMI Server

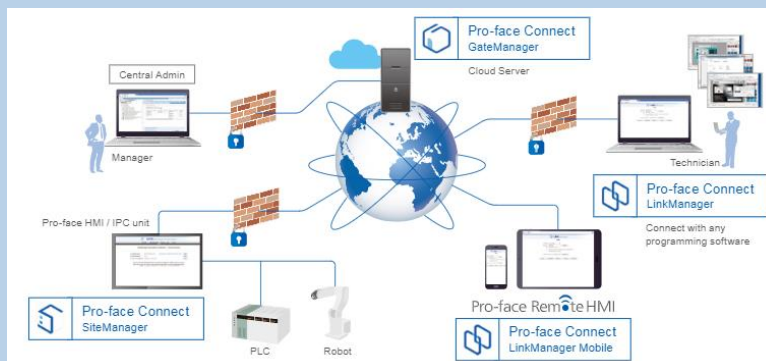


Pro-face Remote HMI Server is a Windows application to connect any PC or IPC with our Pro-face Remote HMI application and operate any kind of software via the application.

► For more details

## Secure Remote Access

**Proface Connect** provides a secure way to program or monitor machines remotely



Conforms with industry level standards for security. Enables a secure network a secure network.

- User access based on x.509 Cert.
- AES data encryption
- ISA99 and IEC 62443

► For more details

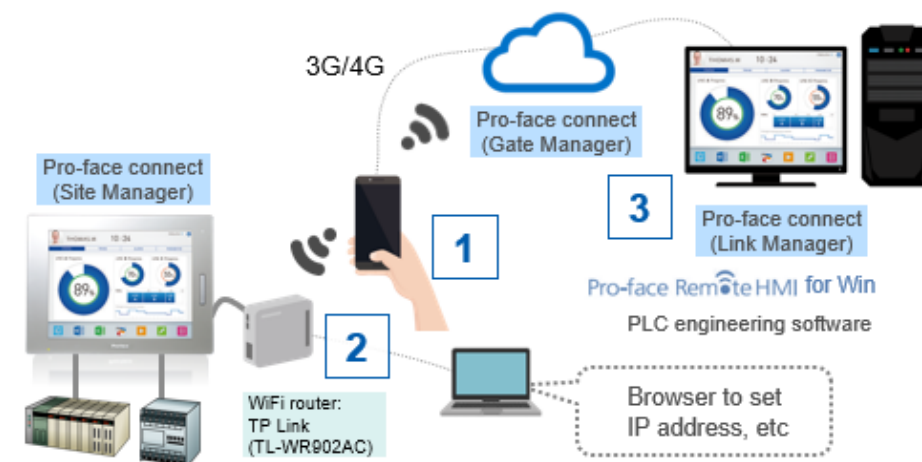
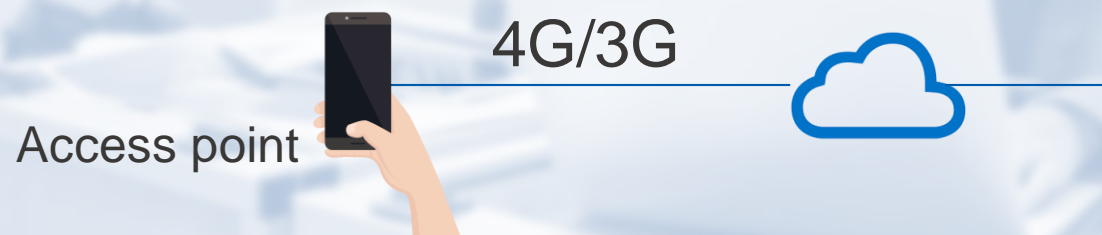


## Stay Home While Doing Efficient Maintenance Tasks

### Simple & Secure Remote Service

#### How does it work

- 1 End Users or Field Services can use their smartphone personal hotspot
- 2 WiFi router finds the hotspot & connects.
- 3 Machine Builder accesses the HMI or controllers connected to the HMI.



► For more details

# 4 Case Study





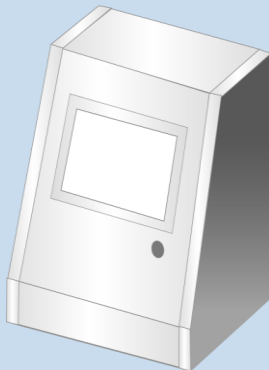
# Our Technology is Helping the Healthcare Industry

## Ventilator

### Reliable compact HMI for medical equipment

Medical professionals can control and monitor pressure, volume, respiratory time etc, remotely. The challenge was to have ventilators reliable, affordable and deployable around the world.

Our HMI was chosen as a reliable component for the machine.



## Hospital

### AR system with our reliable IPC

Installed AR system (AOA+IPC) for an electric power control system in hospital. Our AR system allows the user to monitor/operate the various status of devices without opening control panels.

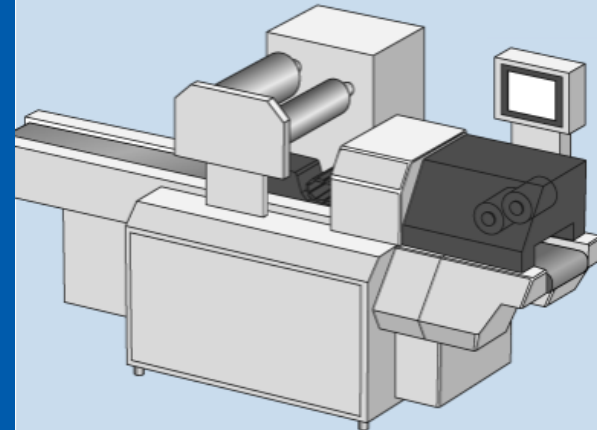


EcoStruxure Augmented Operator Advisor (AOA)

## Facemask Machine

### Quick engineering with our basic HMI

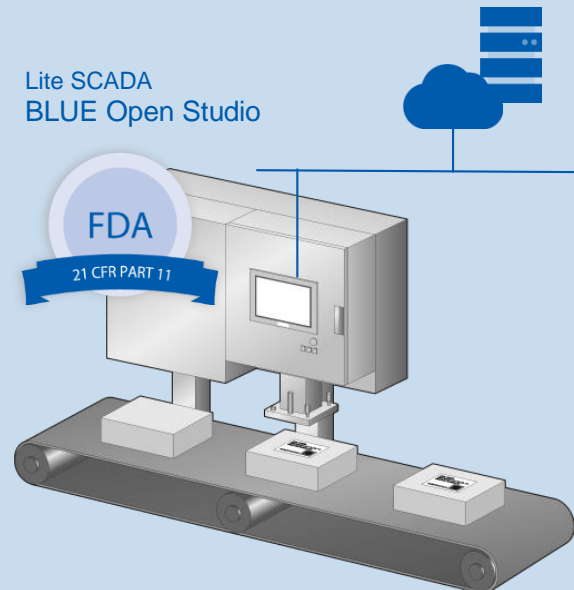
By using our basic HMI and screen editing software, we developed a high-performance Mask machine.



## Pharmaceutical Traceability system

### IPC and Line management system compliant FDA

Our Lite SCADA, BLUE Open Studio allows you to take advantage of built-in functionality to create FDA 21 CFR part 11 compliant projects with traceability and e-signatures.





# HMI Centric

**“HMI Centric” makes the best of the human workforce  
with digital technology.**