Observation & Automatic Control Software

"Automation Software DELTEC HMI/SCADA"

CLICK

Observation & Automatic Control Software

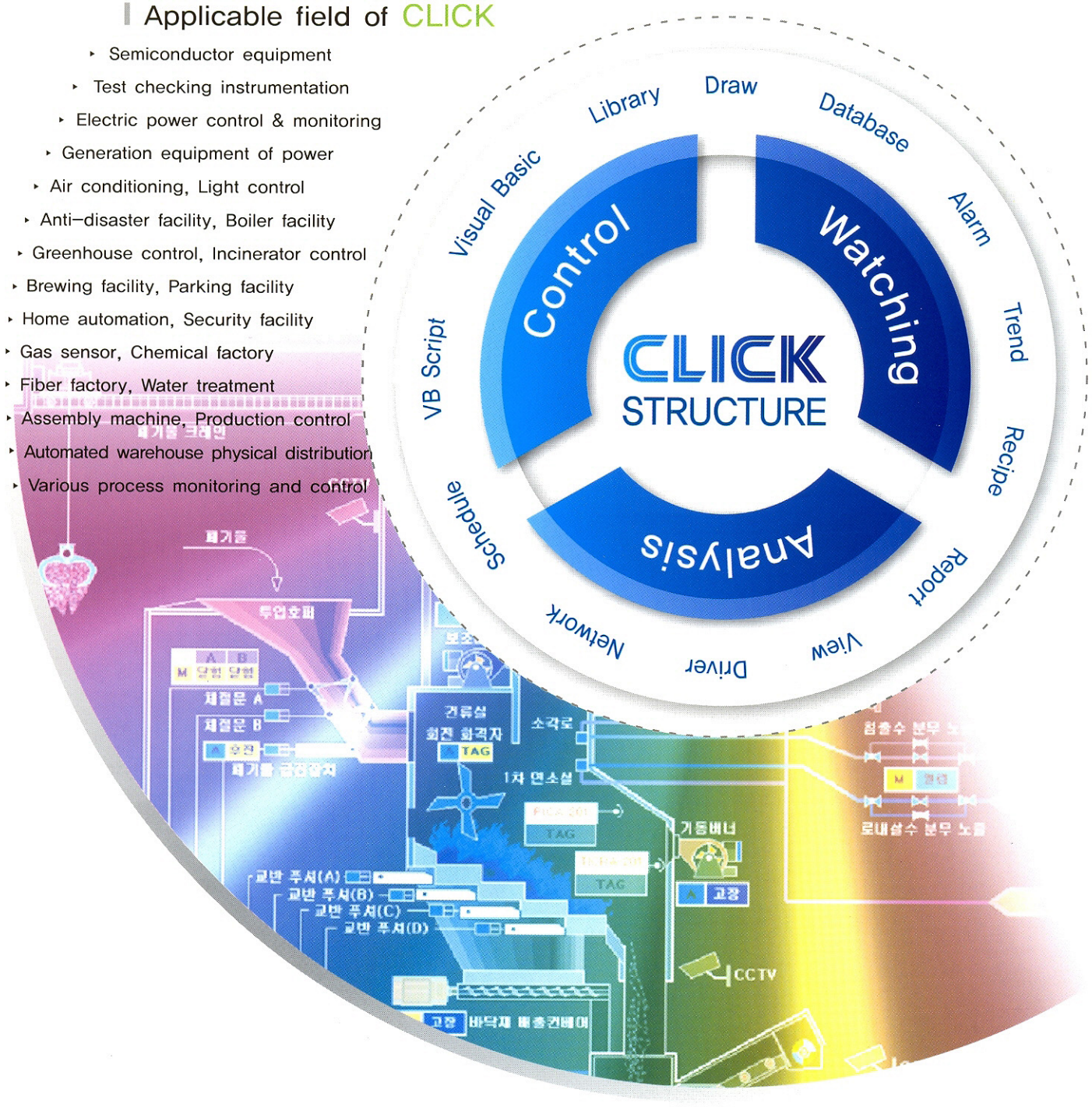
DELTEC SOFTWARE.CO.,LTD.

Human Machine Interface World Leader

CLICK, regarding for economy of planning costs and time, extension of product life cycle, safety and handling speed of system, is designed as the best HMI(Human Machine Interface) for demands of diverse industries.

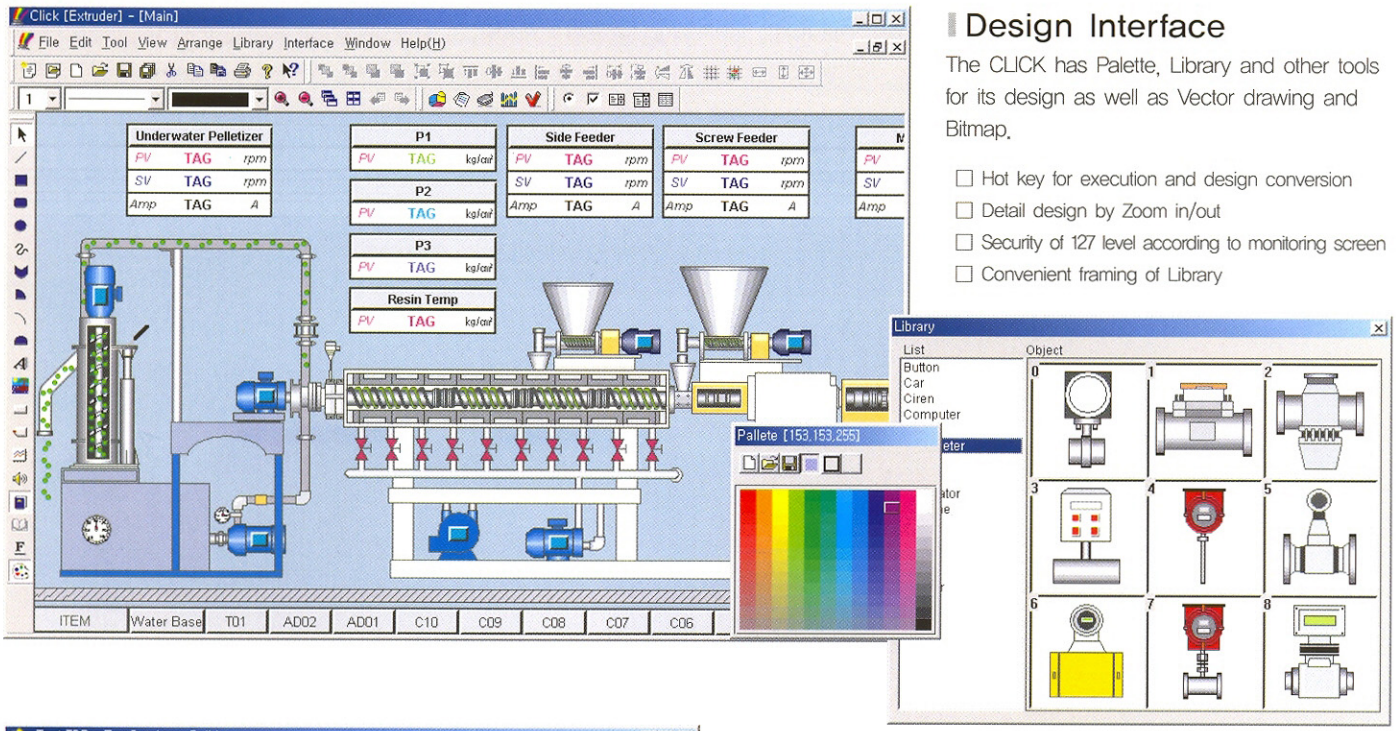
Applicable field of CLICK

- Semiconductor equipment
- Test checking instrumentation
- Electric power control & monitoring
- Generation equipment of power
- Air conditioning, Light control
- Anti-disaster facility, Boiler facility
- Greenhouse control, Incinerator control
- Brewing facility, Parking facility
- Home automation, Security facility
- Gas sensor, Chemical factory
- Fiber factory, Water treatment
- Assembly machine, Production control
- Automated warehouse physical distribution
- Various process monitoring and control



Operated in windows Windows 98/2000/NT/XP,
It is a unified HMI/SCADA software solution which monitors and control automated machines and processes.

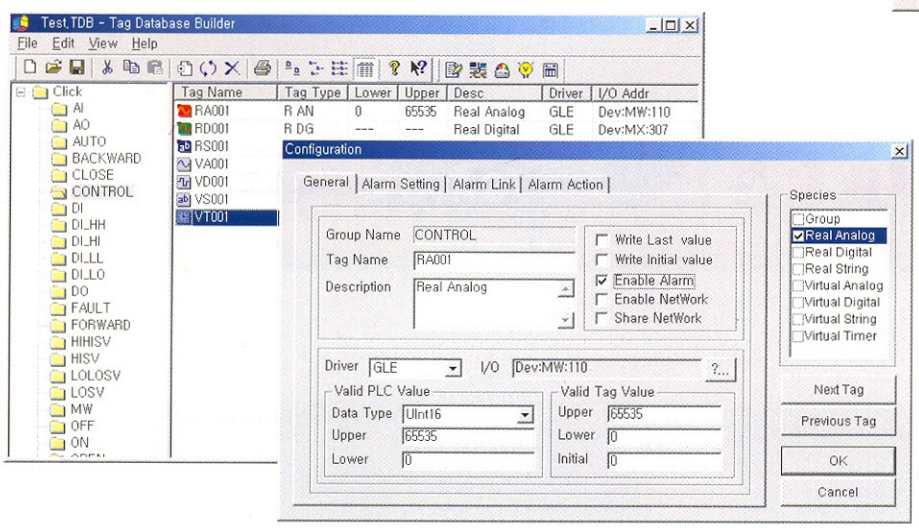
The project development environment of CLICK



Design Interface

The CLICK has Palette, Library and other tools for its design as well as Vector drawing and Bitmap.

- ☐ Hot key for execution and design conversion
- ☐ Detail design by Zoom in/out
- ☐ Security of 127 level according to monitoring screen
- ☐ Convenient framing of Library



Database Setup

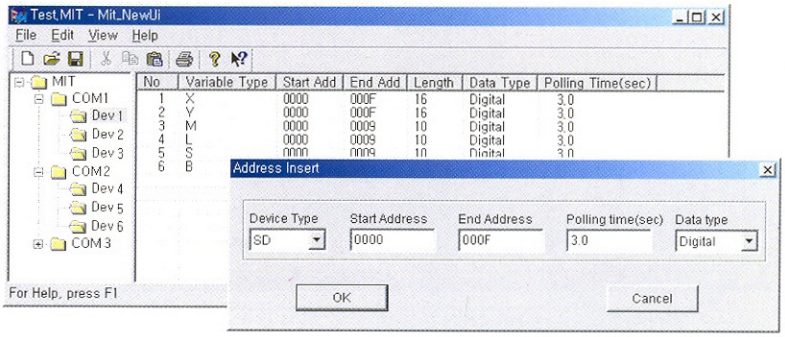
Database is defined as real tag and virtual tag and each tag can be broken down into seven kinds such as analog, digital, string, timer tag etc.

- ☐ convenient tag editing by Excel file Export, Import
- ☐ Tag editing using clipboard
- ☐ Easy tag modification by tag searching function

Driver Setup

Driver is constituted by reading part of blocking and event –formed writing part. Also it is constituted by independent communication port, index–formed data acquisition.

- ☐ Block reading form for fast data treatment
- ☐ The most suitable retransmission frequency and communication by polling time in the case of an error.
- ☐ Graphical User Interface which is easy to use
- ☐ Hot key using clipboard
- ☐ 99 kinds of driver simultaneously



The principal function of CLICK

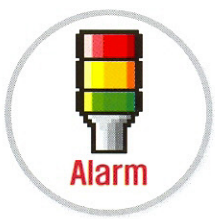
The CLICK is constituted by Real Trend, Real Alarm, Historical Alarm, Database, Report, Excel Report, Schedule, Driver, Network, VB Script, Recipe, Library, Draw, View.

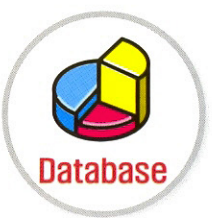
Efficient official of data acquisition

It supports Real Trend and Historical Trend and is constituted by 3 parts: a collection and storing part according to diverse establishment cycle, a collection part of measuring data, and a part which is marked by graphic or text.

Alarm setup and display

It supports real alarm and historical alarm and is constituted by 2 parts : a part which collect and store various kinds of alarm, a part which is marked by text.



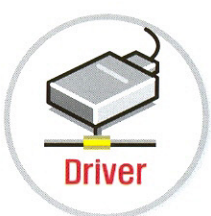


Convenience of tag editing

It is the most important part of HMI project operation of CLICK. It is constituted by real tag, virtual tag, and special tag. Each tag has analog, digital, string, time control tag.

The report generation is easy powerful [Click-Report/Excel Report]

It is easy to modify and use even without standard knowledge by using excel and word program or report-engine which is smooth and powerful design type without a script.

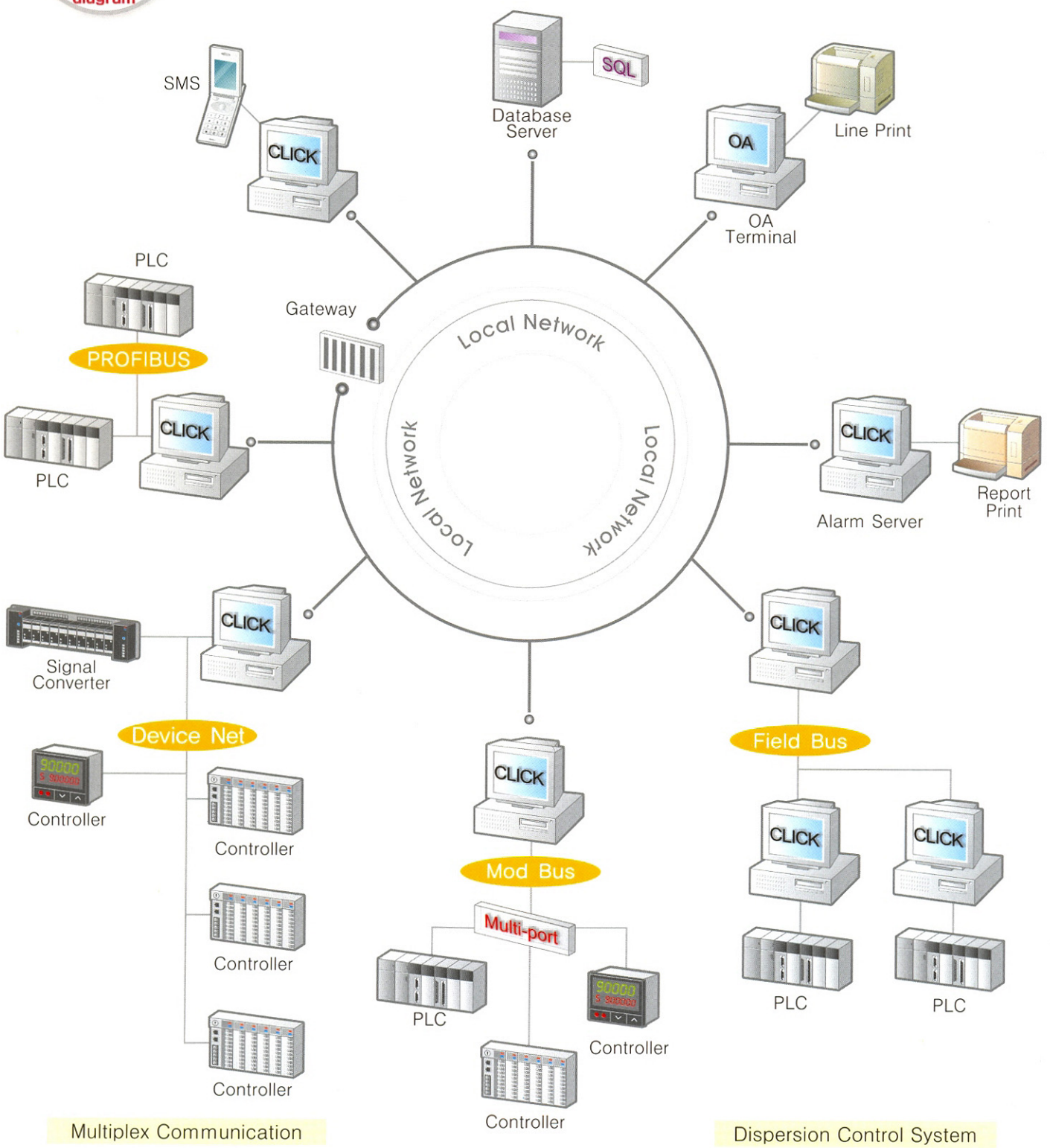


Hardware connection

Driver has 2 parts : a reading part of block, a writing part in event mode It has basically the best algorithm by device for handling error, an independent communication port, fast data acquisition by index mode.

Network configuration diagram

Convenient working circumstances and fast treatment by free network setting and operation.
Various methods of networking service.



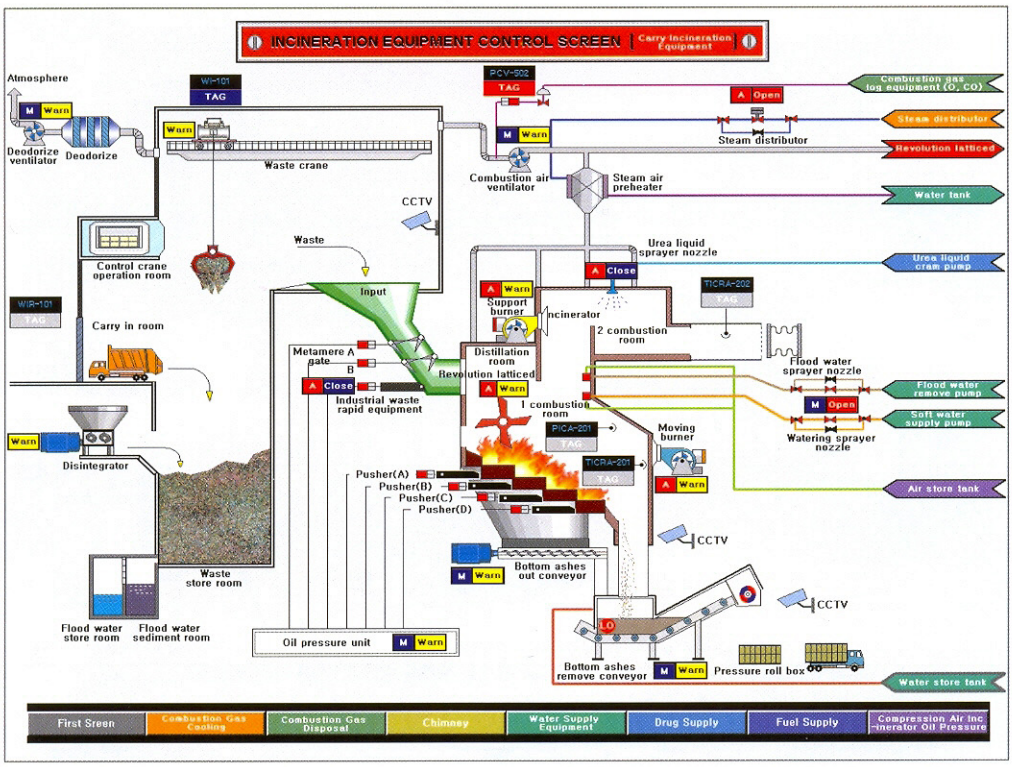
Multiplex Communication

Dispersion Control System

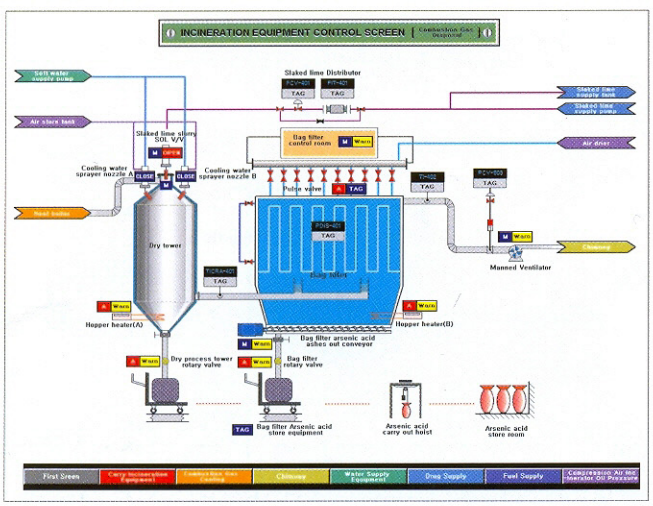
The application examples of CLICK

01 Incinerator supervisory control system screen

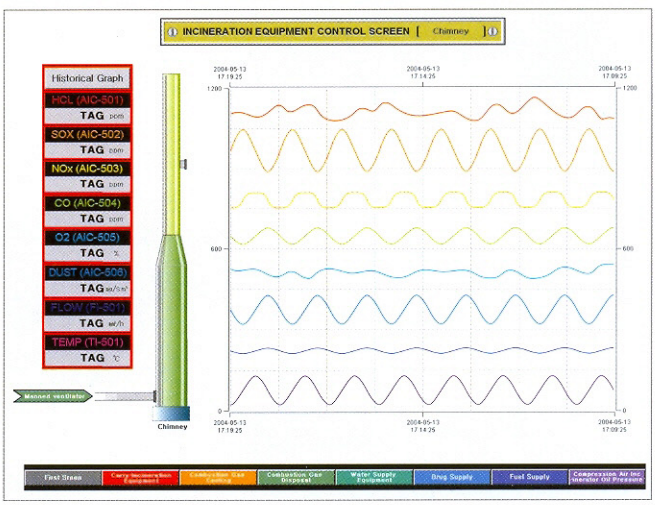
You can see the Incinerator watching full screen and its working situation through the main screen and also grasp the detail operation situation of each facility by each sub screen.
The following is a model screen for control of Incinerator.



[Incinerator supervisory control screen]



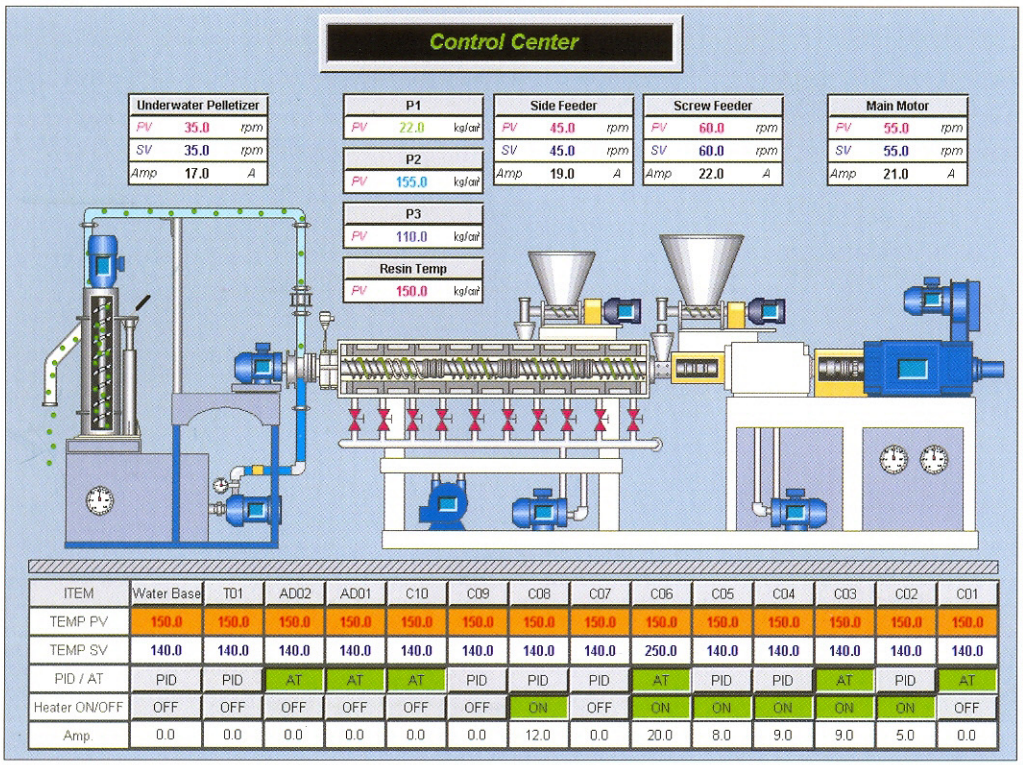
[Combustion gas treatment supervisory control screen]



[A funnel supervisory control screen]

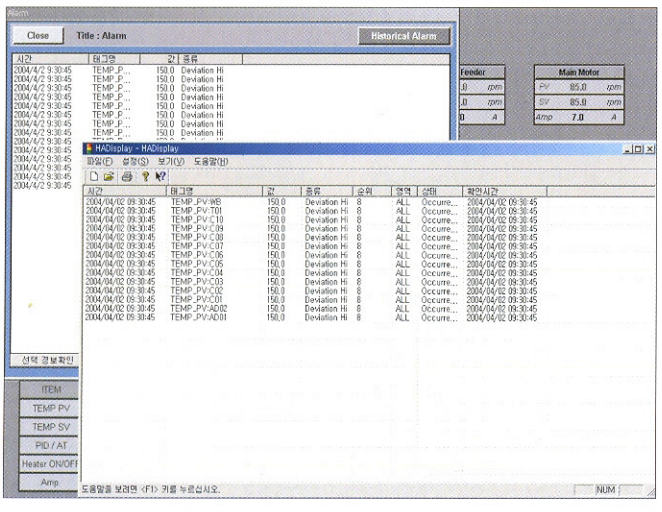
02 Extruding machine supervisory control system screen

You can grasp Extruding machine's process and various alarm conditions on a screen.
It has automatic report outputs for various alarm and operation conditions so that you get daily and monthly report.

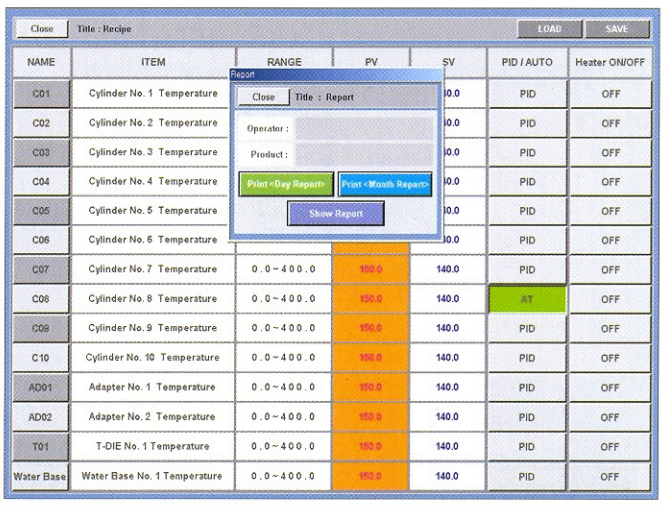


ITEM	Water Base	T01	AD02	AD01	C10	C09	C08	C07	C06	C05	C04	C03	C02	C01
TEMP PV	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
TEMP SV	140.0	140.0	140.0	140.0	140.0	140.0	140.0	140.0	250.0	140.0	140.0	140.0	140.0	140.0
PID / AT	PID	PID	AT	AT	AT	PID	PID	PID	AT	PID	PID	AT	PID	AT
Heater ON/OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	ON	ON	ON	ON	OFF
Amp	0.0	0.0	0.0	0.0	0.0	0.0	12.0	0.0	20.0	8.0	9.0	9.0	5.0	0.0

[Extruding machine supervisory control screen]



[Historical Alarm screen]

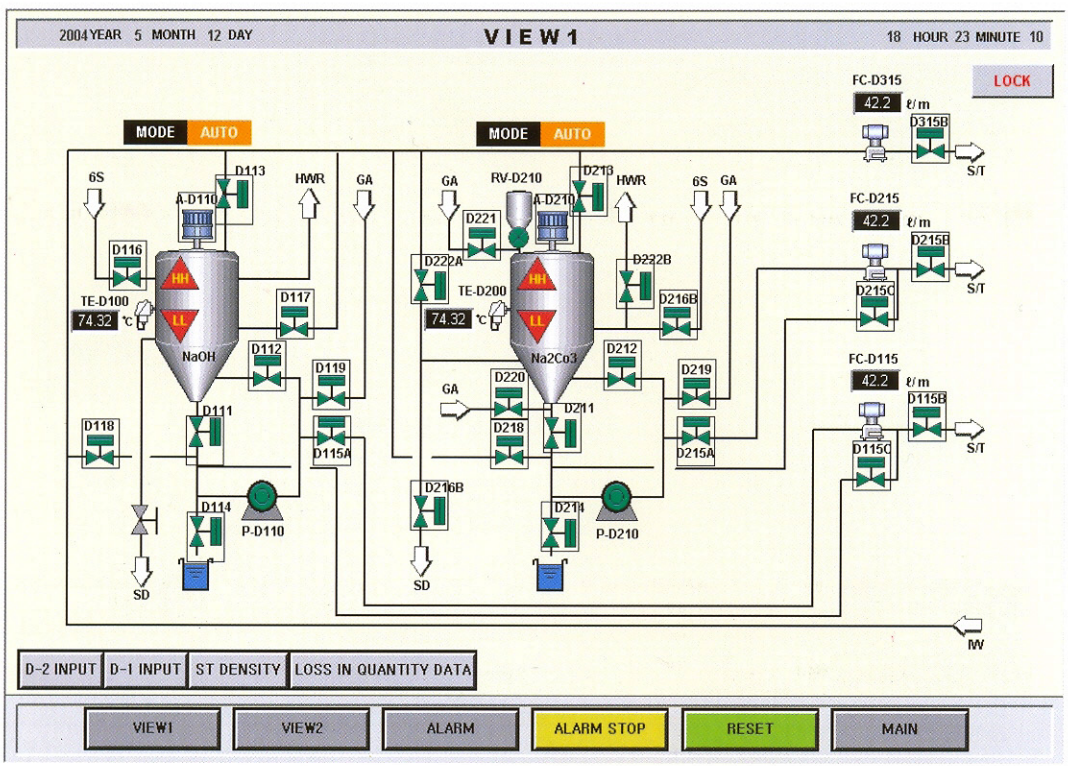


[Report setting screen]

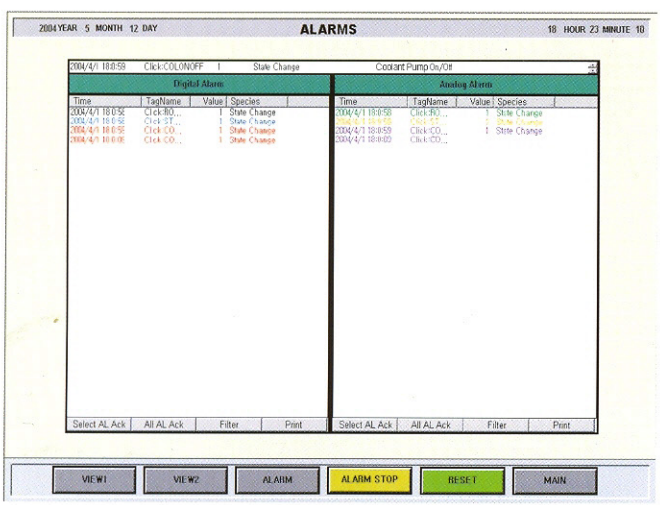
The application examples of CLICK

03 Dyeing machine supervisory control screen

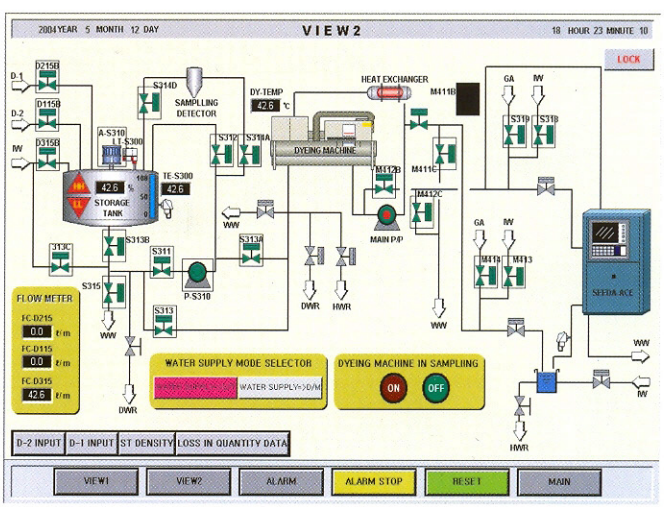
It is a project to control dyeing process, so you can control the mixture process and set up the input
You can operate each valve automatically or passively.
The following is model screen for control of dyeing machine.



[Dyeing machine supervisory control screen]



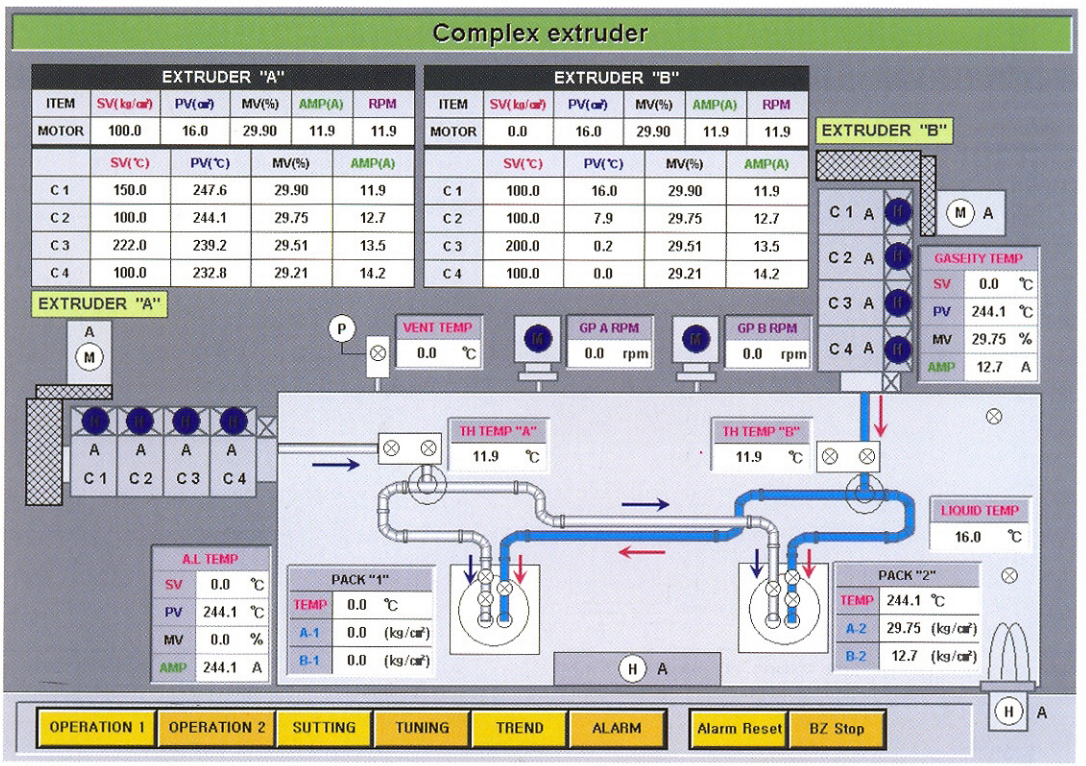
[Alarm screen]



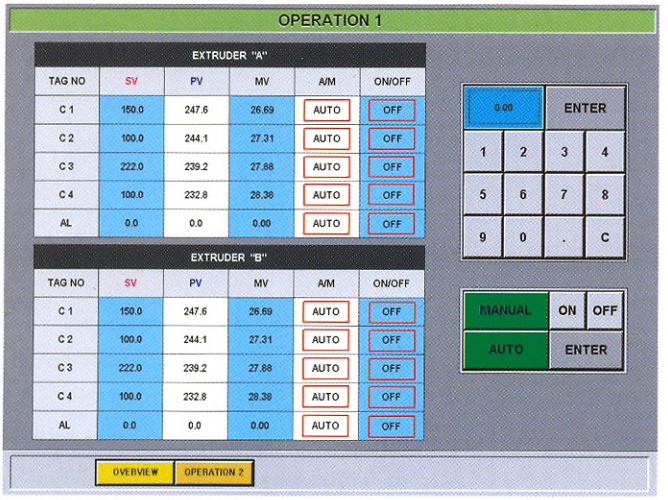
[Dyeing machine sub screen]

04 Extruder supervisory control system screen

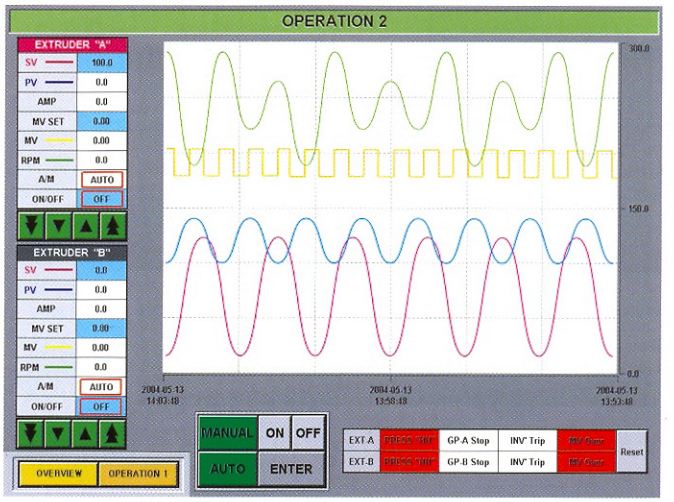
Its main is a extruding process of Complex extruder, so you can grasp the extruder's condition at real time and also grasp the detail operation situation of each facility by each sub screen.
You can operate it easily by a keypad on the screen.



[Complex extruder supervisory control screen]



[Operation control 1 screen]

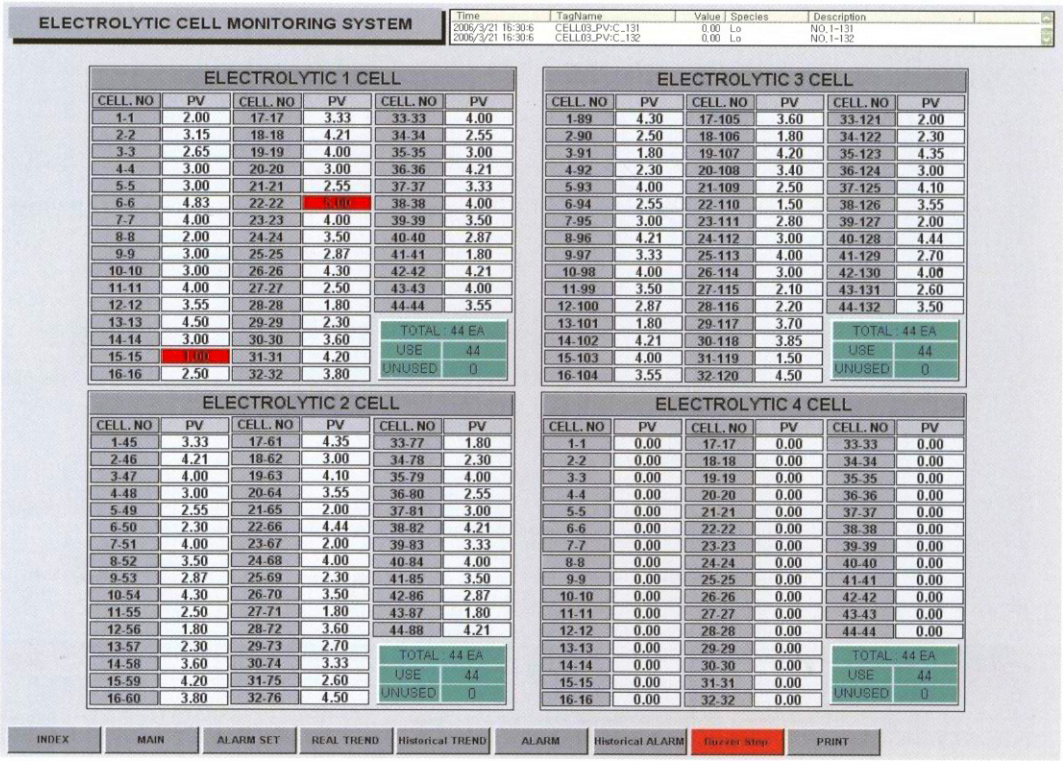


[Operation control 2 screen]

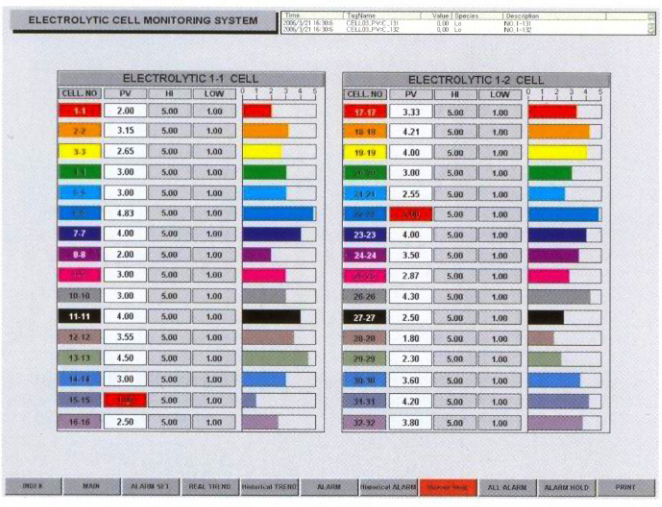
The application examples of CLICK

05 Electrolytic cell supervisory control system screen

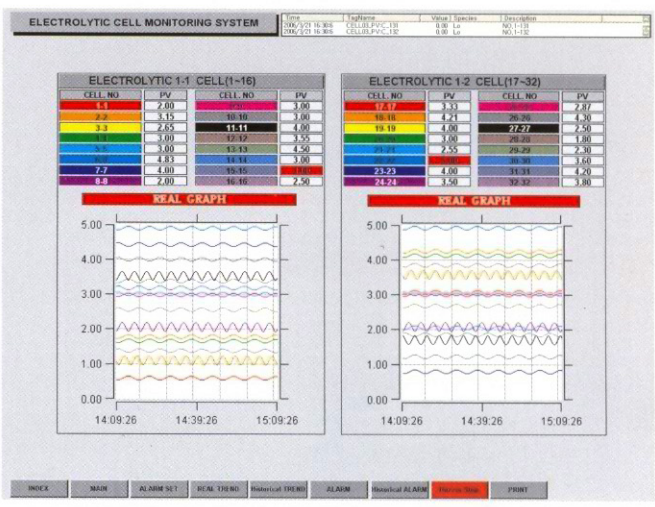
It is consisted watching power necessary in process and voltage of each Cell by electrolysis mode that is necessary for production of chlorine.
It is consisted to understand voltage abnormality in cell using HI, LO alarm that is convenient for worker.
Below screen is control model for electrolytic cell monitor system .



[Electrolytic cell supervisory control screen]



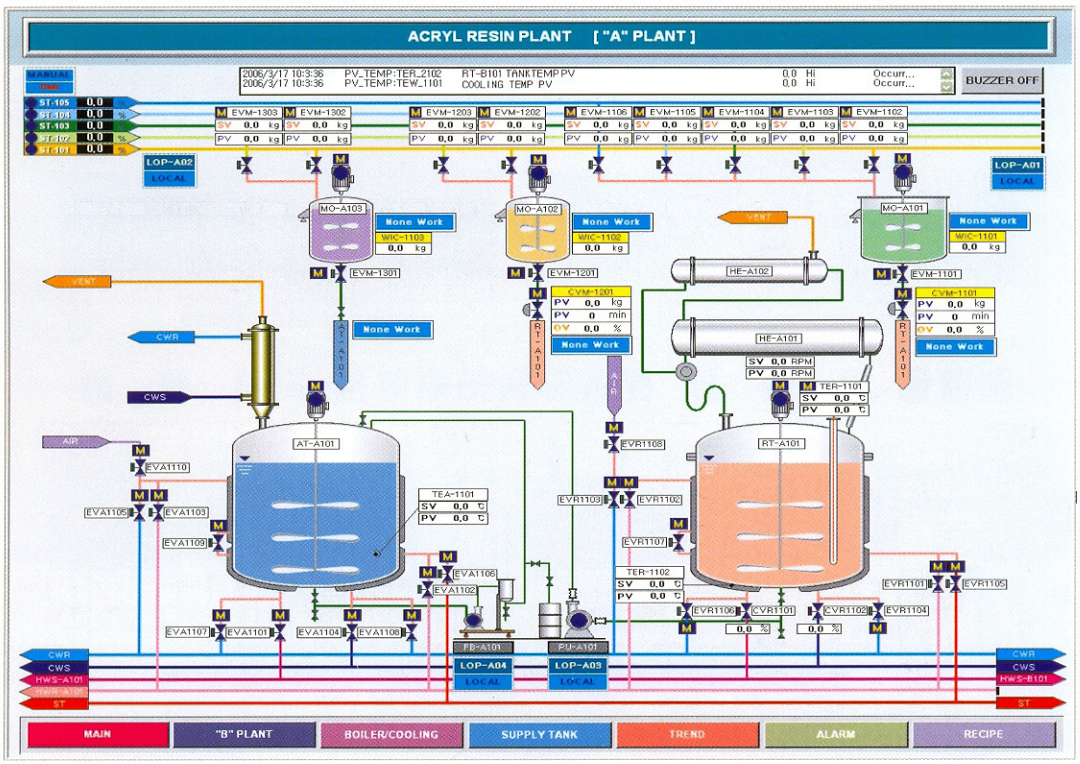
[Alarm screen]



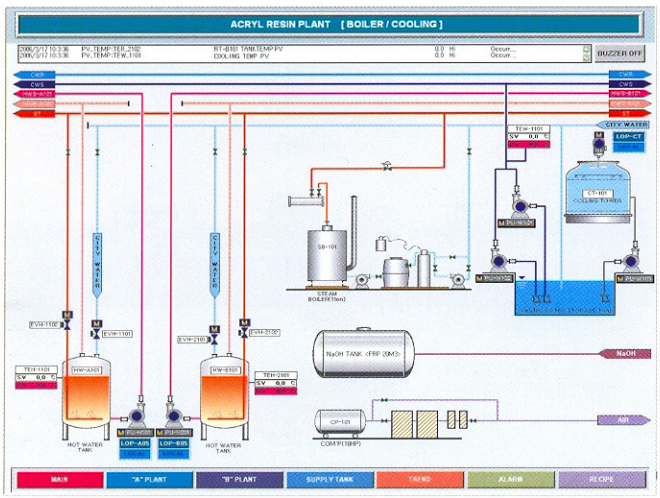
[Trend screen]

06 Paint raw material mixing supervisory control system screen

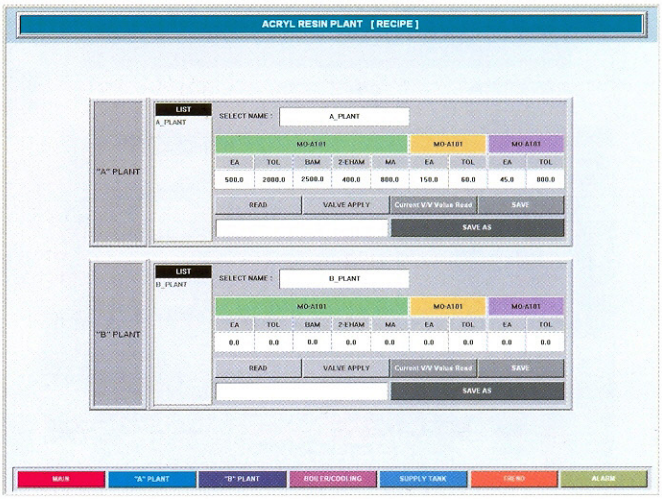
It is a system that is consisted with supplying fixed rate raw material according to settled process from tank for paint raw material. It can print mixing proportion and input of raw material by LOT automatically.
Also, it can be set to input by kind of product and process order using Recipe function.
Below screen is control model for the paint raw material mixing equipment .



[Paint raw material mixing supervisory control screen]



[Boiler, Cooling screen]

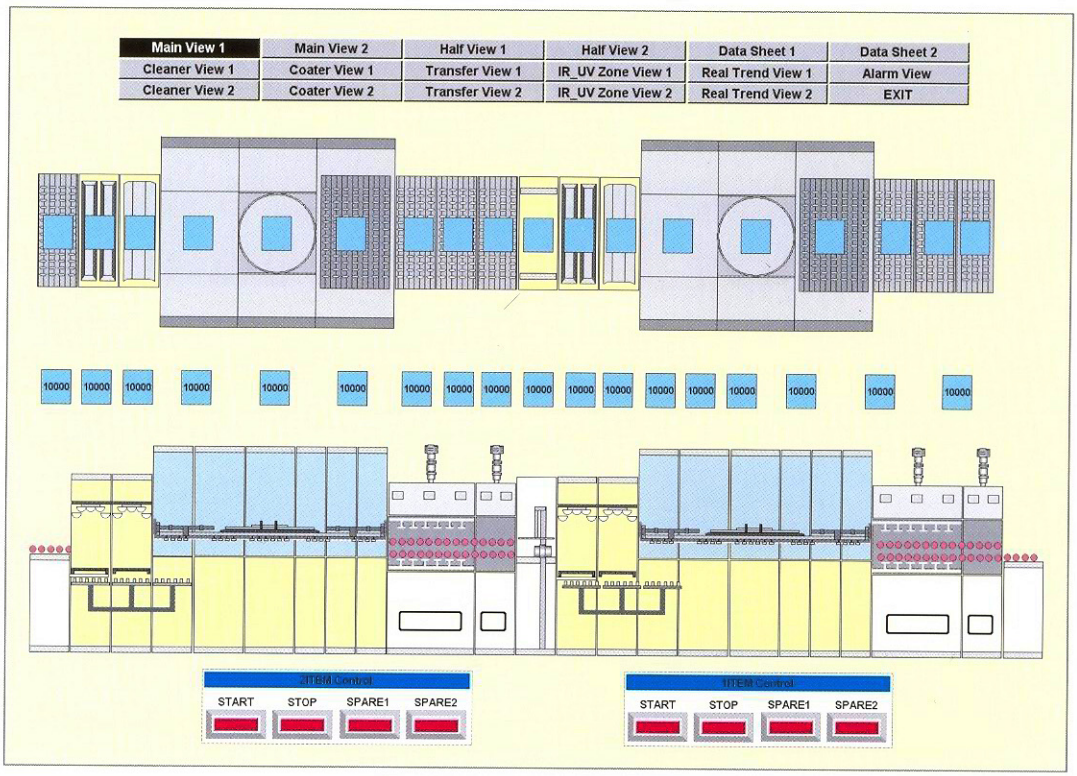


[Recipe setting screen]

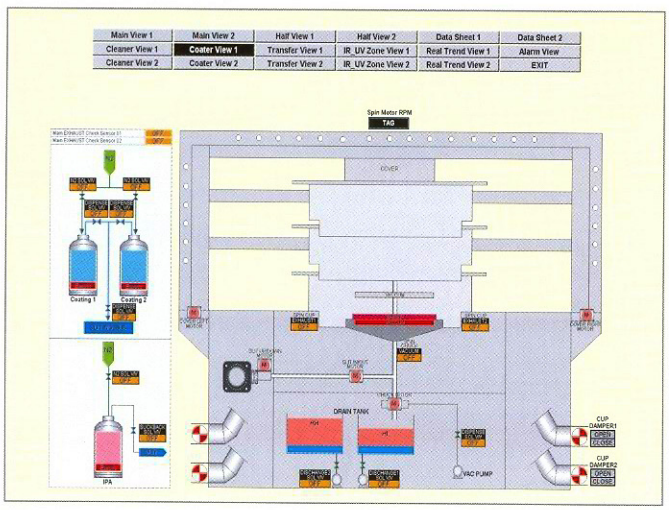
The application examples of CLICK

07 SPIN COATER control system

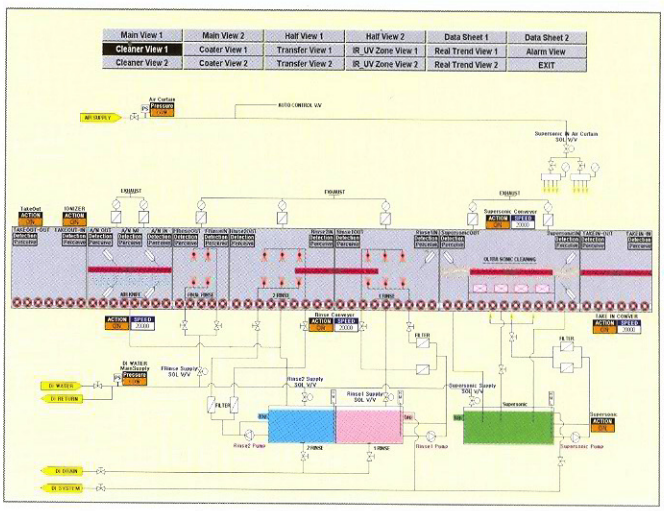
It is composition screen for monitoring internal present state of production equipment consisted with sealed room.
It is consisted to understand transfer state and position of products. Also, production becomes efficiently by marking temperature and pressure necessary for production on screen.
Below screen is control model for SPIN COATER equipment.



[spin coater supervisory control screen]



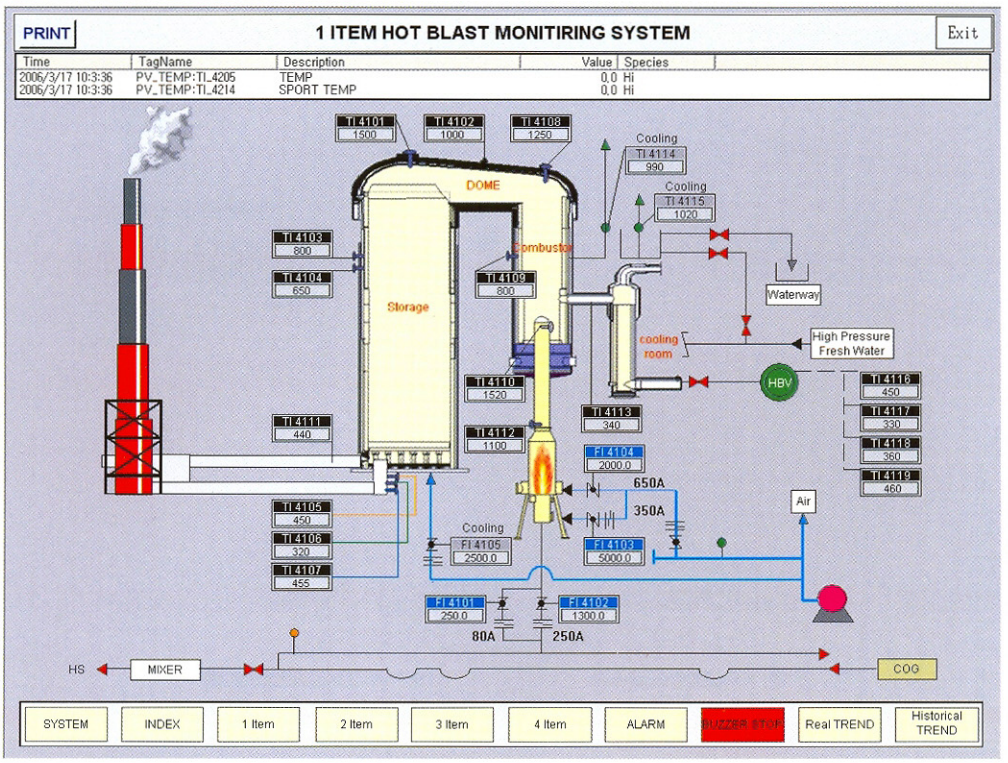
[coater supervisory control screen]



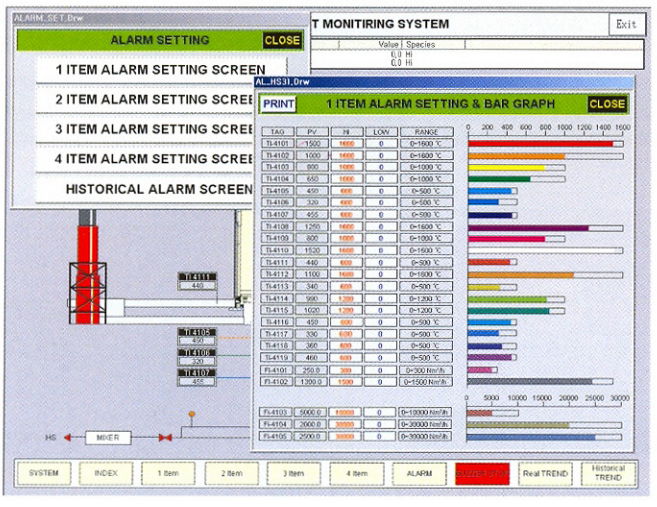
[cleaner supervisory control screen]

08 Furnace supervisory control system

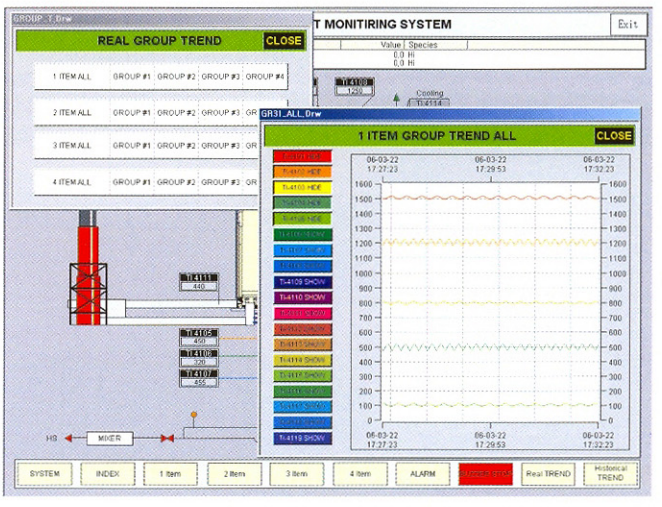
It is monitoring system for temperature in furnace melting iron ore. Workers can understand alert condition easily by output HI, LO alarm screen and Buzzer that is system to maintain temperature in furnace. Output temperature and pressure state by time zone using automatic report function.
Below screen is a furnace supervisory control model.



[Furnace supervisory control screen]



[Alarm screen]

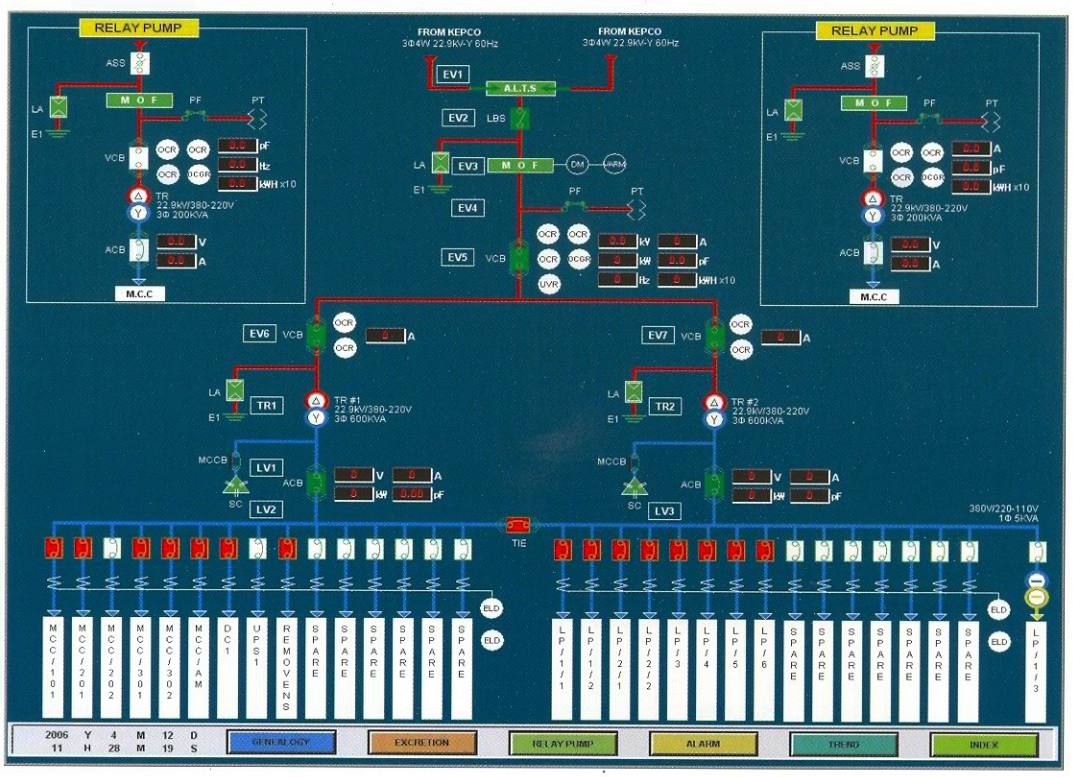


[Trend screen]

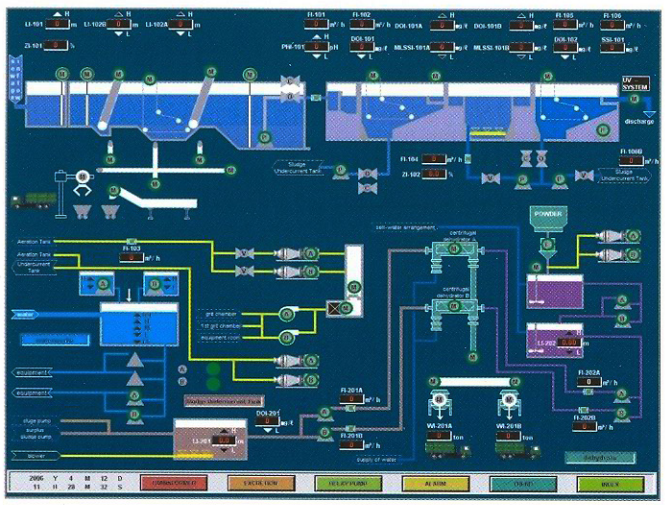
The application examples of CLICK

09 Livestock excretion processing supervisory control system screen

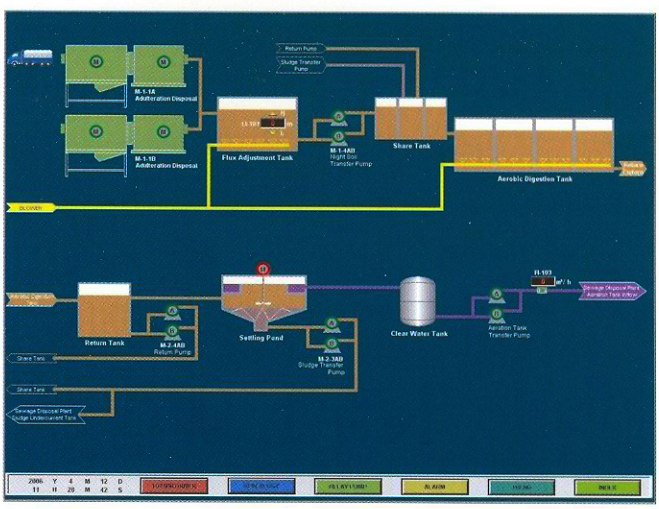
It can treat whole process from inflow to discharge waste automatically by livestock waste processing facilities.
And it can treat various transfer equipments and microorganism management function, medicines input etc.. automatically.
It can output contamination level and water analysis automatically using report function.
Below screen is control model for livestock excretion processing facilities.



[Transformer supervisory control screen]



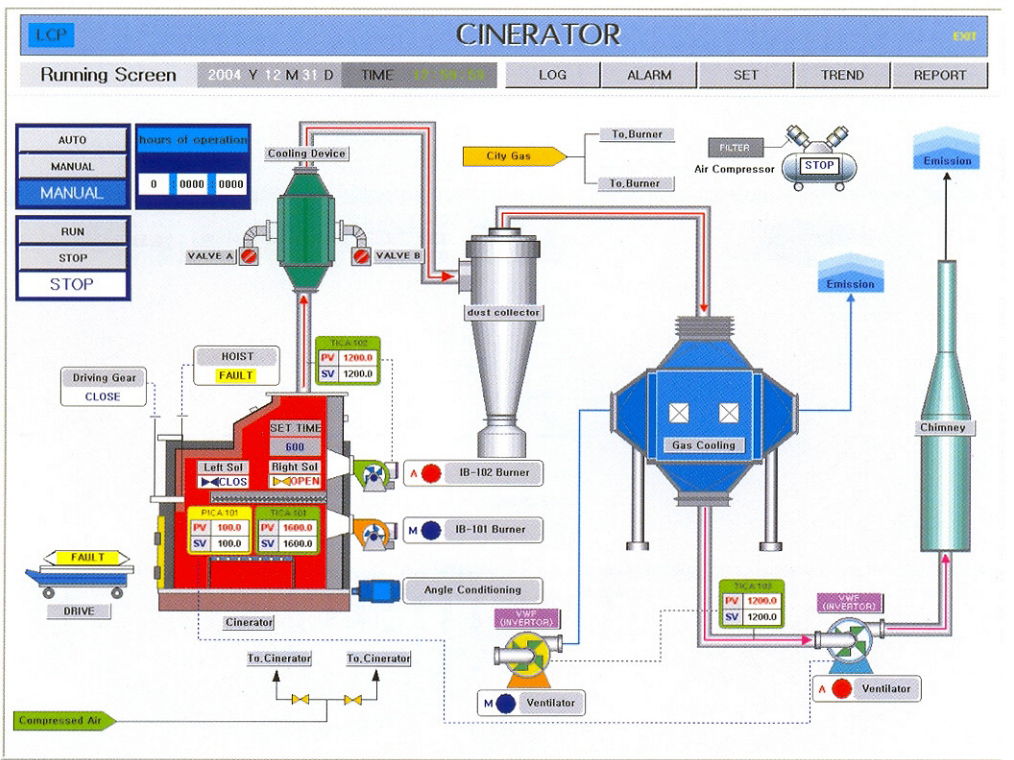
[Genealogy supervisory control screen]



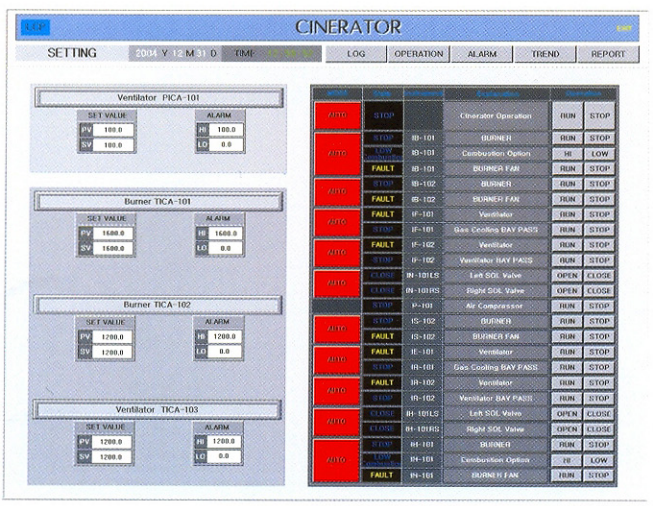
[Excretion processing supervisory control screen]

10 Cinerator supervisory control system screen

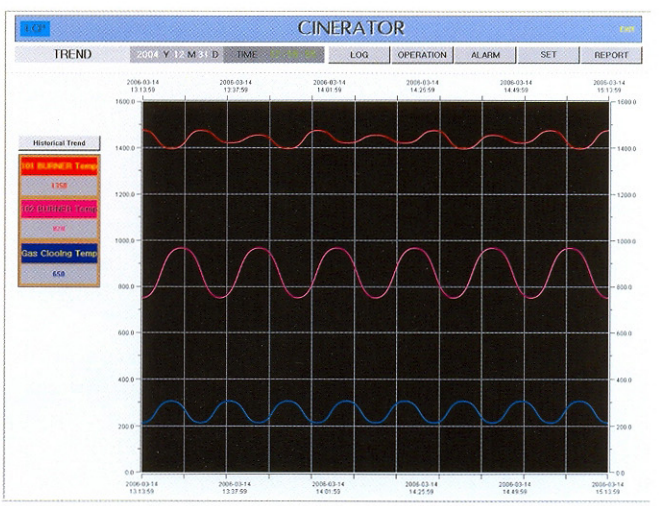
We had applied prevention function for radical environment improvement and pollution gas discharge by construction disgust facilities automation. We had composed componential analysis and temperature and combustion exhaust gas etc.. to be done real-time monitoring and control.
Below screen is control model for Cinerator System .



[Cinerator supervisory control screen]



[setting screen]



[Trend screen]

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DELTEC SOFTWARE

- DELTEC SOFTWARE CO.,LTD.
- DELTA I/O CO.,
#409-13 Maetan-dong, Yeoungtong-ku,
Suwon-city, Gyunggi-do, Korea
TEL : 82-31-225-6001(Rep)
FAX : 82-31-213-6182
E-mail : deltec@deltec.co.kr

www.deltec.co.kr
www.deltaio.co.kr