SensingTEK
WSN DataCenter Basic_v1.1.7.2
User Manual

SensingTEK WSN DataCenter Basic® is the software of communicating monitor and controller. It is applicable for Wireless communication products (ZigBee/High Power) & Sensors.

➢ Available modules

◆ AIZ100	◆ DIZ100	◆ DOZ100
◆ RSZ232/COZ232	◆ RSZ485/COZ485	◆ RTZ232
◆ THZ100	◆ EDP100	◆ COZ100
◆ COZ101	◆ SPM111-C	◆ SPM111-U

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WSN DataCenter Basic User Manual

Directory:

Remarks:

    ✓   First, connect the Coordinator with PC, and turn Node on.

    ✓   In Transmitting Data Mode, the LED green light is on and the LED red light is flashed.

    ✓   Windows XP or Windows Server 2003 up, need to set Microsoft NET Framework 3.5

A) Immediate Monitor

Step 1: Change User PC IP

- ✓ For Ethernet transmission interface, prior to setting up IP manually, you have to comprehend the following default of wireless coordinator:
- ✓ IP address: 192.168.0.10
- ✓ Subnet mask: 255.255.255.0
- ✓ Set up the server IP address at the 《LAN-Internet Protocol》; and this IP address shall be in the same domain. For instance: IP address is 192.168.0.XXX
- ✓ XXX can be any number between 001~254 (not duplicate to the coordinator's IP address), and not used by any other device.

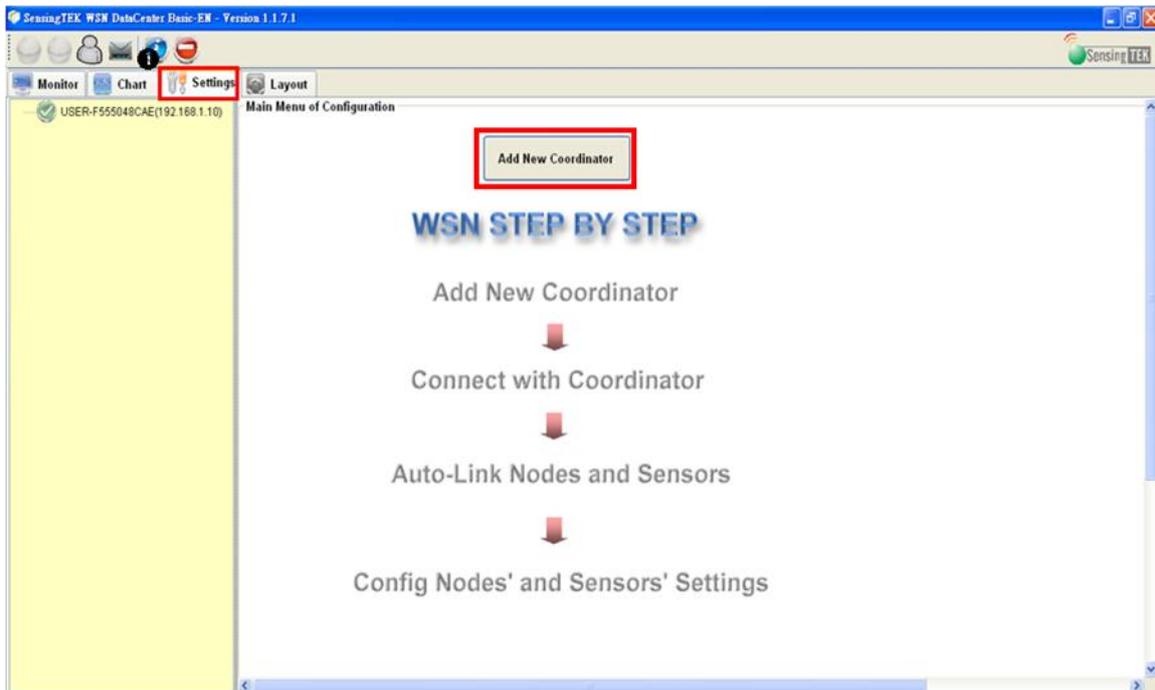☞ **Note: If your Coordinator is COZ101, you can omit to do this step.**
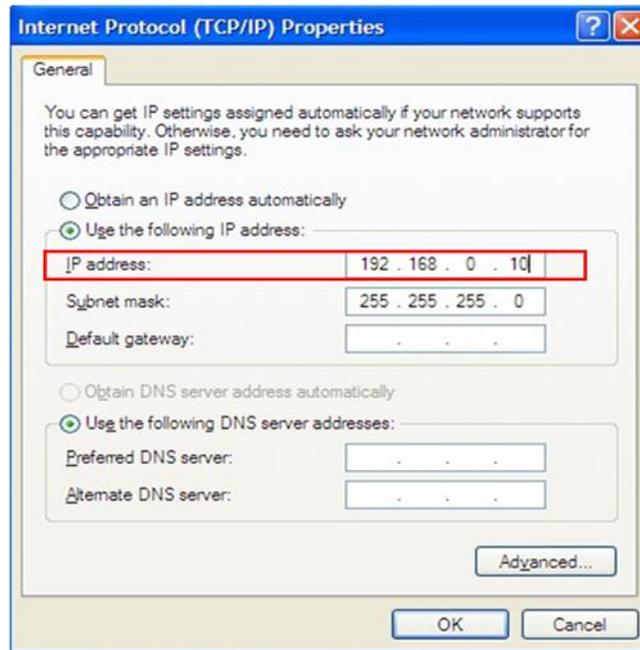
Step 2: Open SensingTEK WSN DataCenter Basic
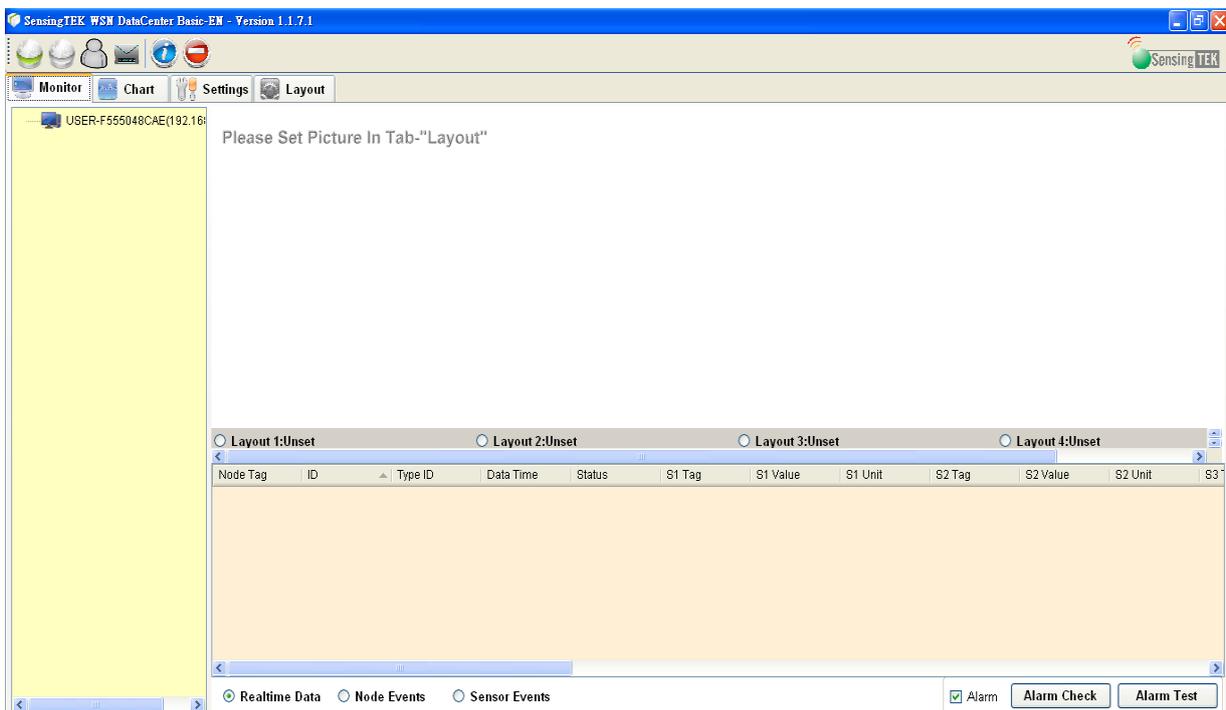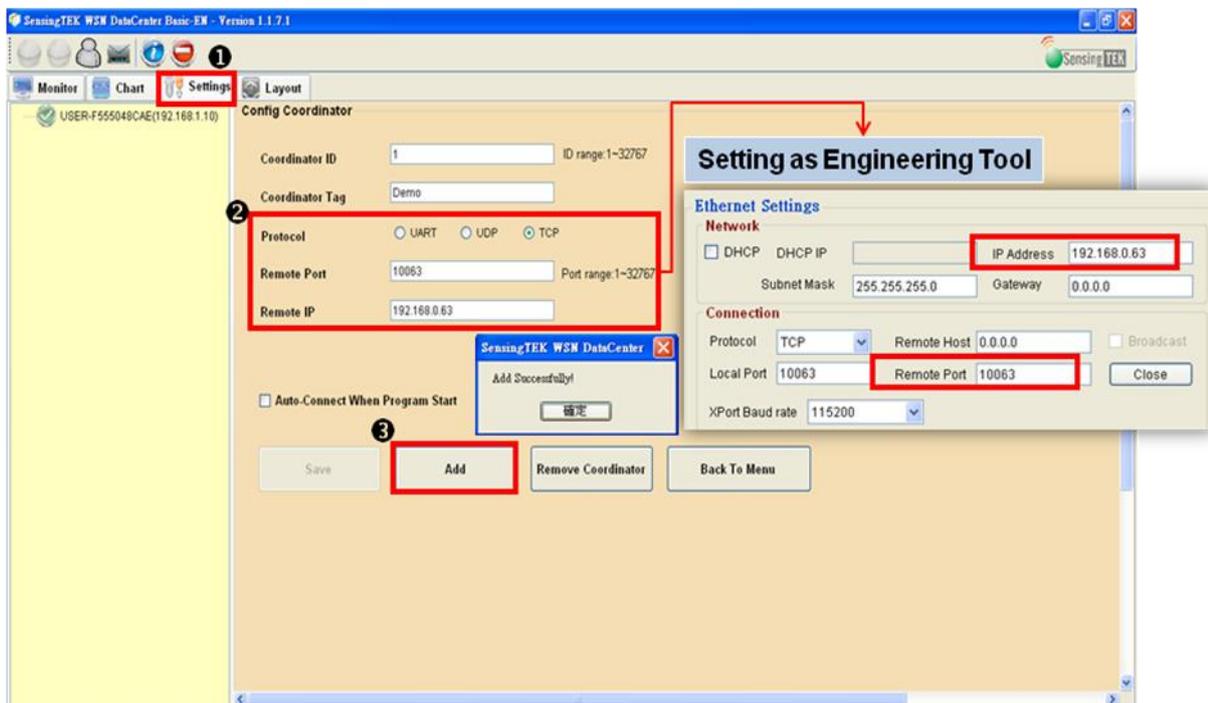
Step 3: Add New Coordinator

✓ Click ❶ "Settings", and press "Add New Coordinator"
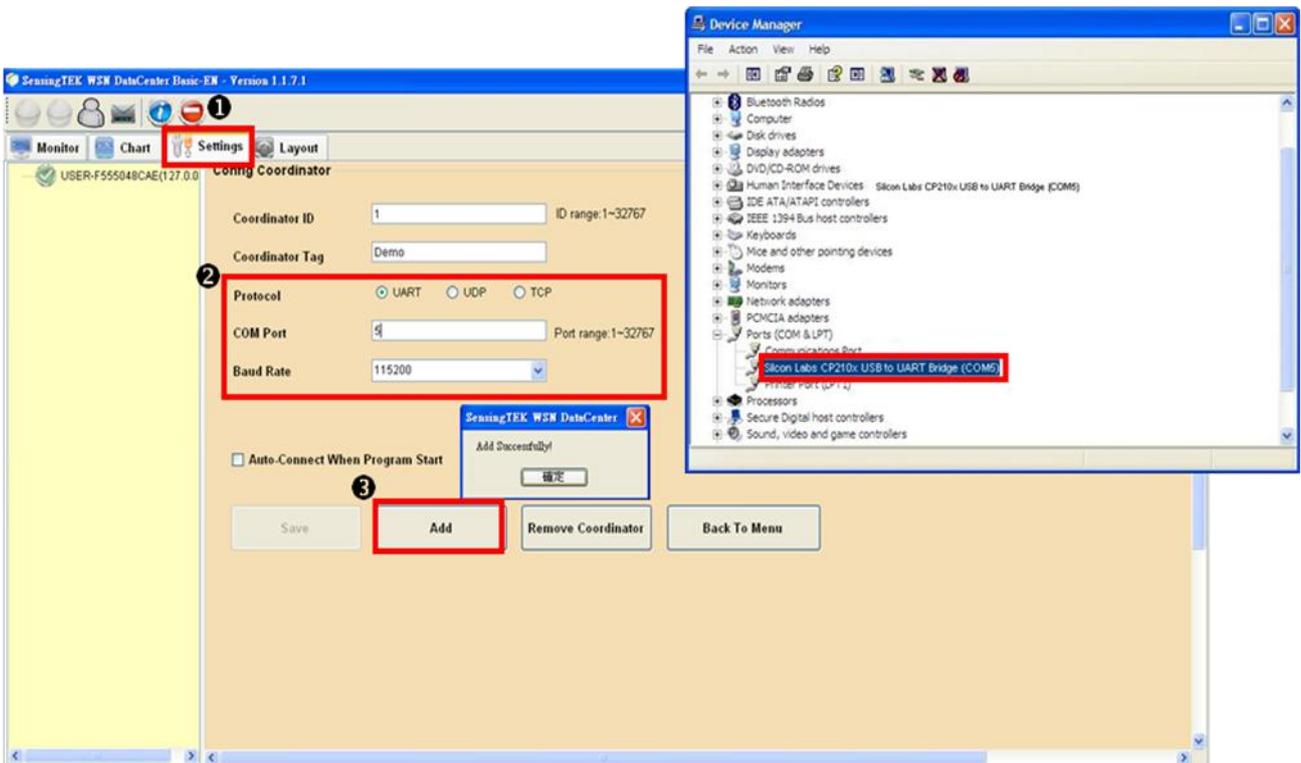

Step 4: Coordinator Setting

(a) Ethernet Coordinator (COZ100) Setting

✓ Follow the parameters which are the same value as "Ethernet Settings" of Engineering Tool.

✓ Choose Protocol to "TCP"

✓ Press ❸ "Add"

(b) USB Coordinator Setting

- ✓ Follow the parameters.
- ✓ Choose Protocol to "UART"
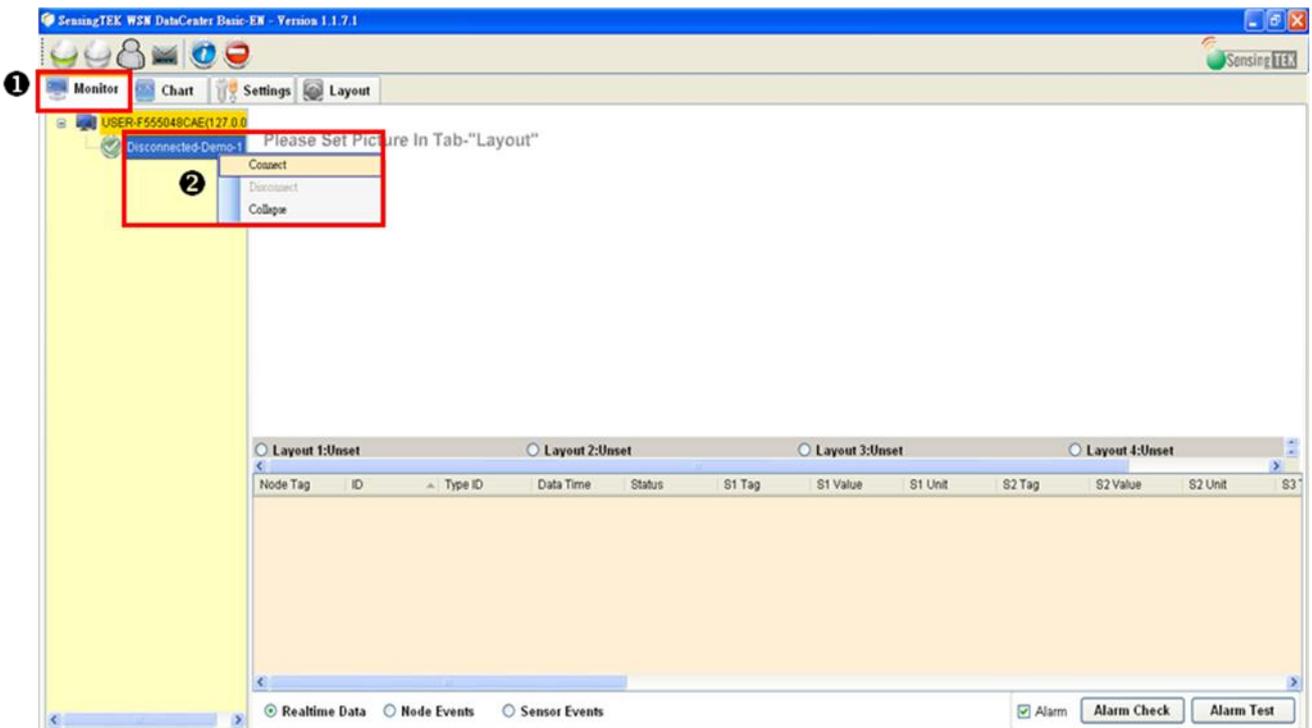- ✓ COM Port number must the same as user PC.
- ✓ Press ❸ "Add"

Step 5: Connect nodes with devices or put nodes in monitoring place

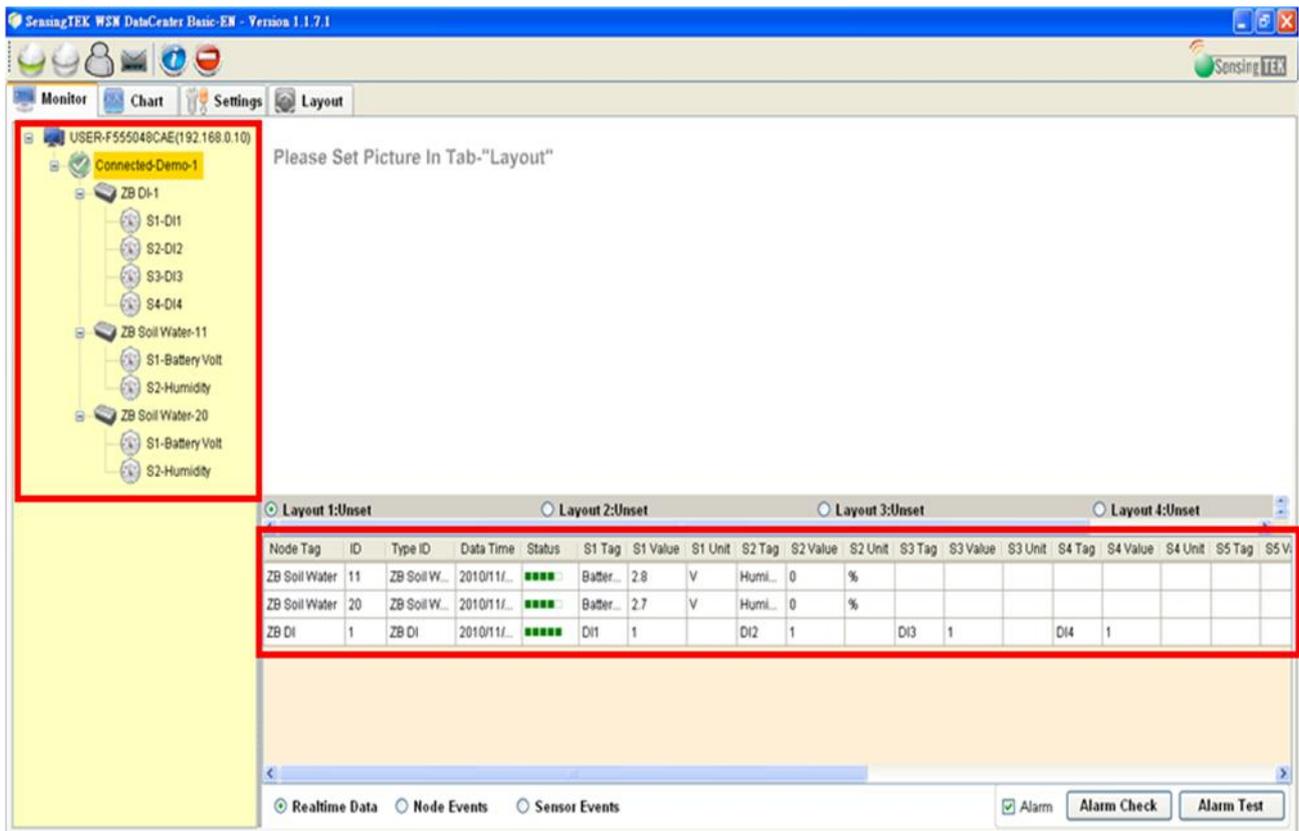- ✓ Switch nodes power on and check nodes which are in communicating mode.

Step 6: Start to Monitor

- ✓ Click ❶ "Monitor"
- ✓ Choose "Connect"

Step 7: Immediate Monitor

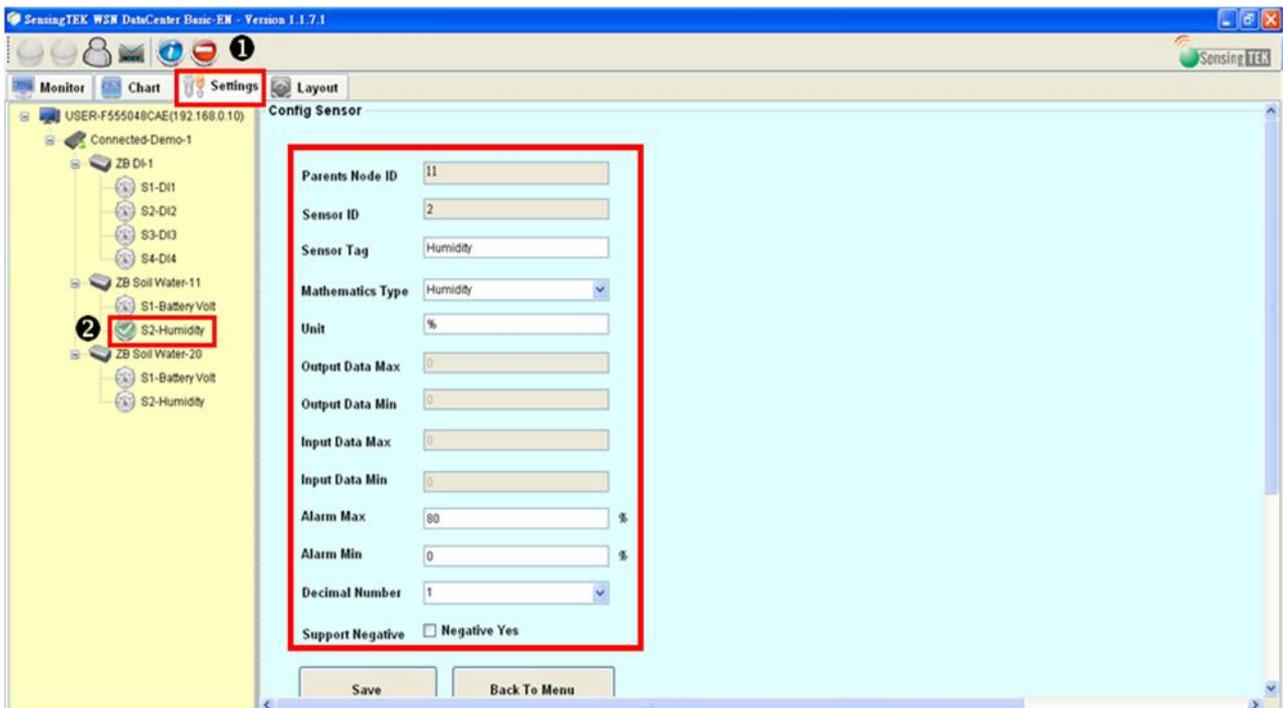✓ Click ⊞, you can see all nodes information which been monitored.

B) Set Alert

✓ Click ❶ "Settings"

✓ ❷ Select the node which you want

✓ You could change the nodes name or set the alarm values.
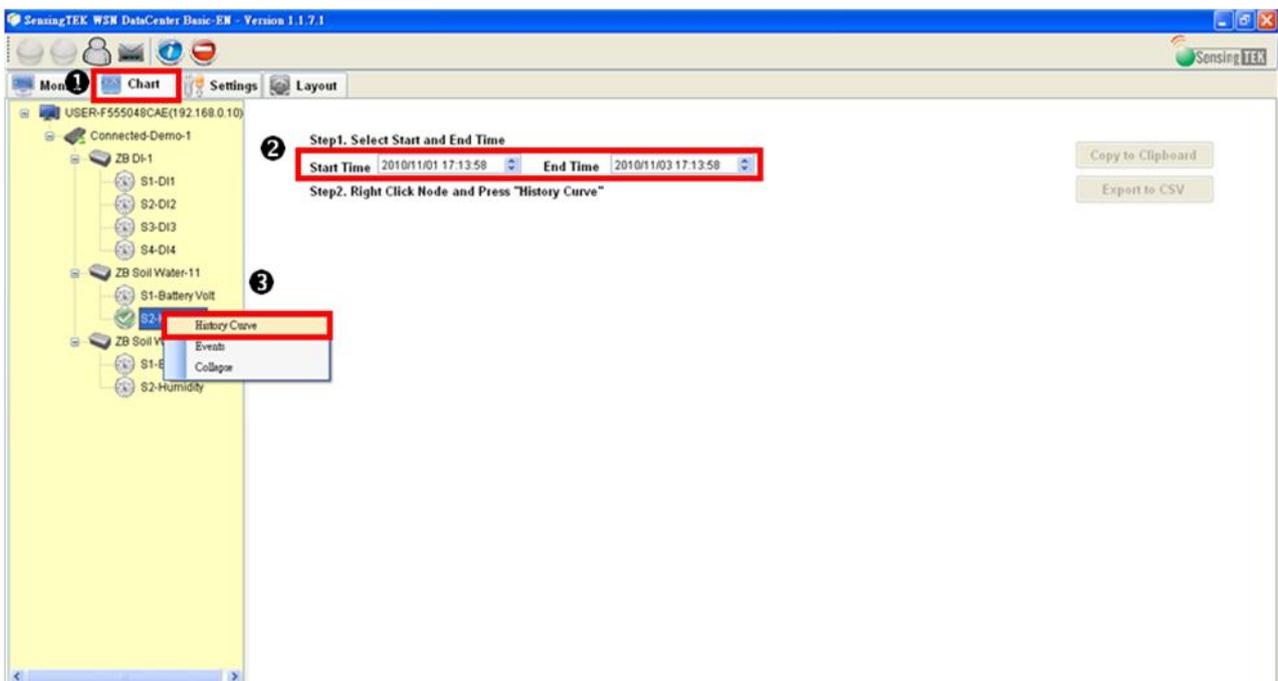
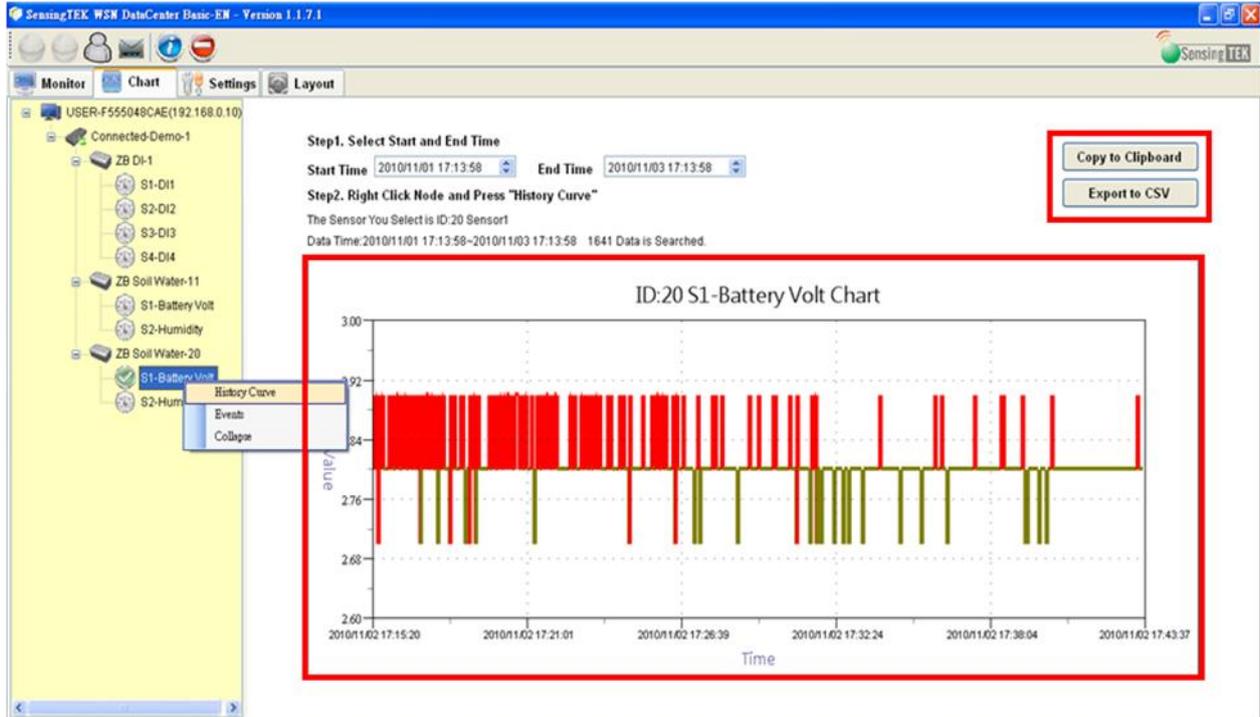## C) Design Layout

✓ Click ❶ "Layout"

✓ Press ❷ "Load Picture"
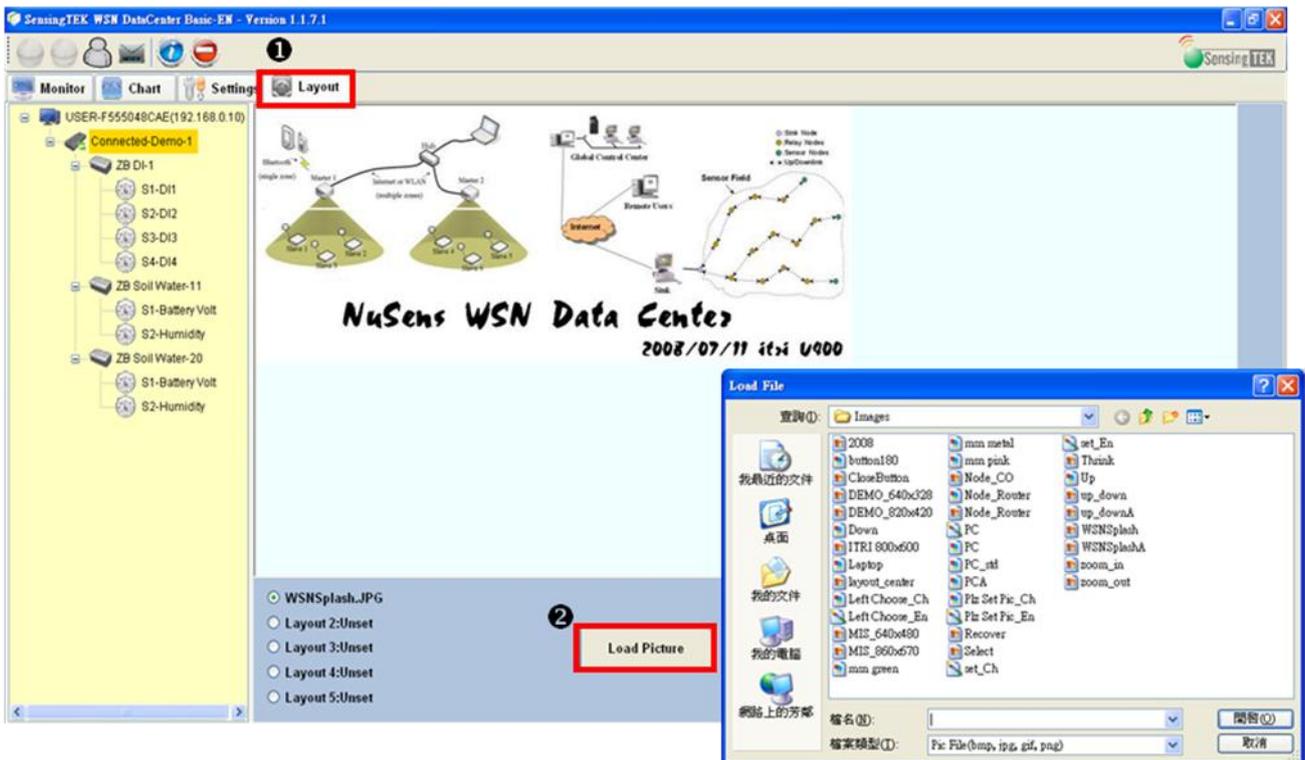
D) Historical Data

✓ Click ❶"Chart"

✓ ❷ Choose the period time of Historical Date

✓ Choose ❸ "History Curve"

✓ You can see and download historical data to PC

E) Alarm notification

✓ Abnormal signal to reach the standard, the system send out warning after you set the alarm values. Or you will get unusual message by automatic MSN.
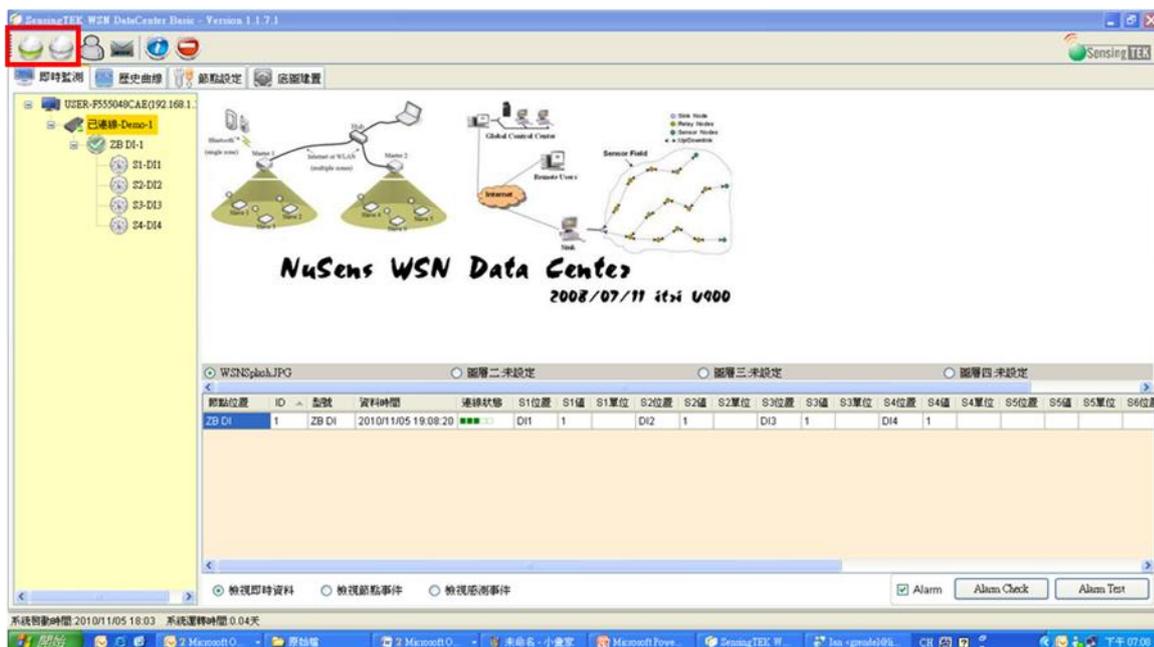
F) Add to Mail Notice on Ver.1.1.7.2

✓ Use version1.1.7.2 "WSN DataCenter Basic" that you can send mail message on the function.
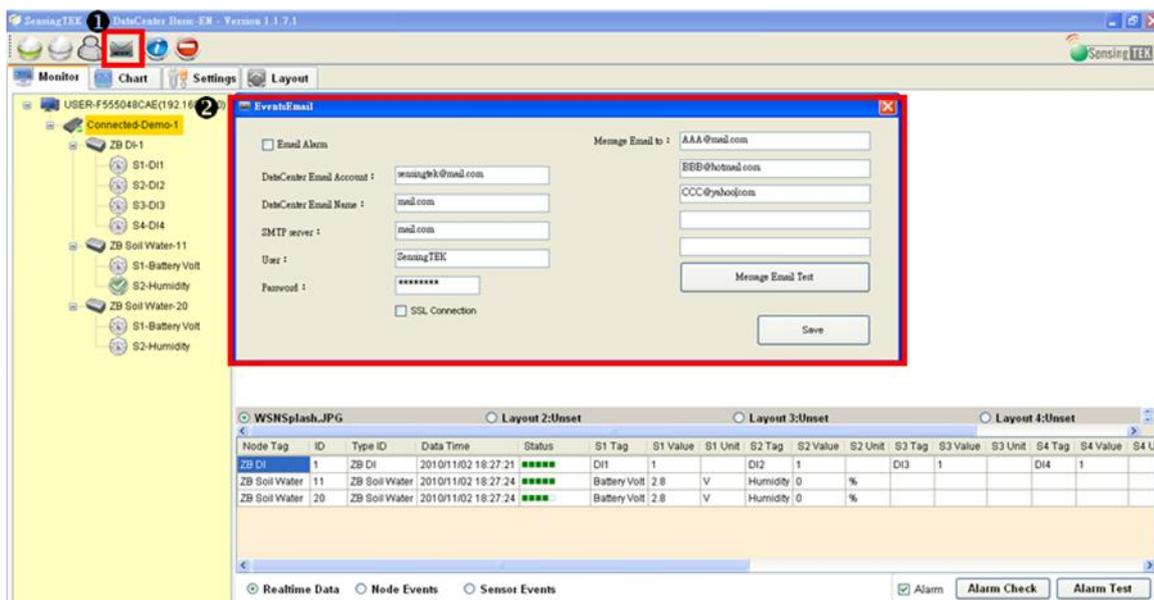
G) All connect/disconnect Button

H) SPM111 setting

- ✓ ❶Choose the specific SPM111 that you want to set.
- ✓ ❷Click tab "Settings"
- ✓ ❸Click button "Meter Config"
- ✓ ❹Pup up the setting windows for SPM111, and click button "Set" when you finish setting.