Instructions for Matsutec AIS Configuration

1. Requirements

a. Matsutec AIS device, model HAB-80
b. Computer (OS Windows）
c. USB adapter cable
d. Application software HA_CONFIG.exe

2. Procedure

2.1   Install the USB driver in order to drive the USB adapter cable.

Run the attached file PL2303_Prolific_DriverInstaller.exe in the disk.

Note:
Make sure to install the USB driver of the adapter properly.

2.2   Connect the Matsutec AIS device with the computer.

Use the attached USB adapter cable to connect the HAB-80 with the computer.

Insert the USB adapter to the USB port of the computer, it could be recognized by the computer and mapped to a new com port.
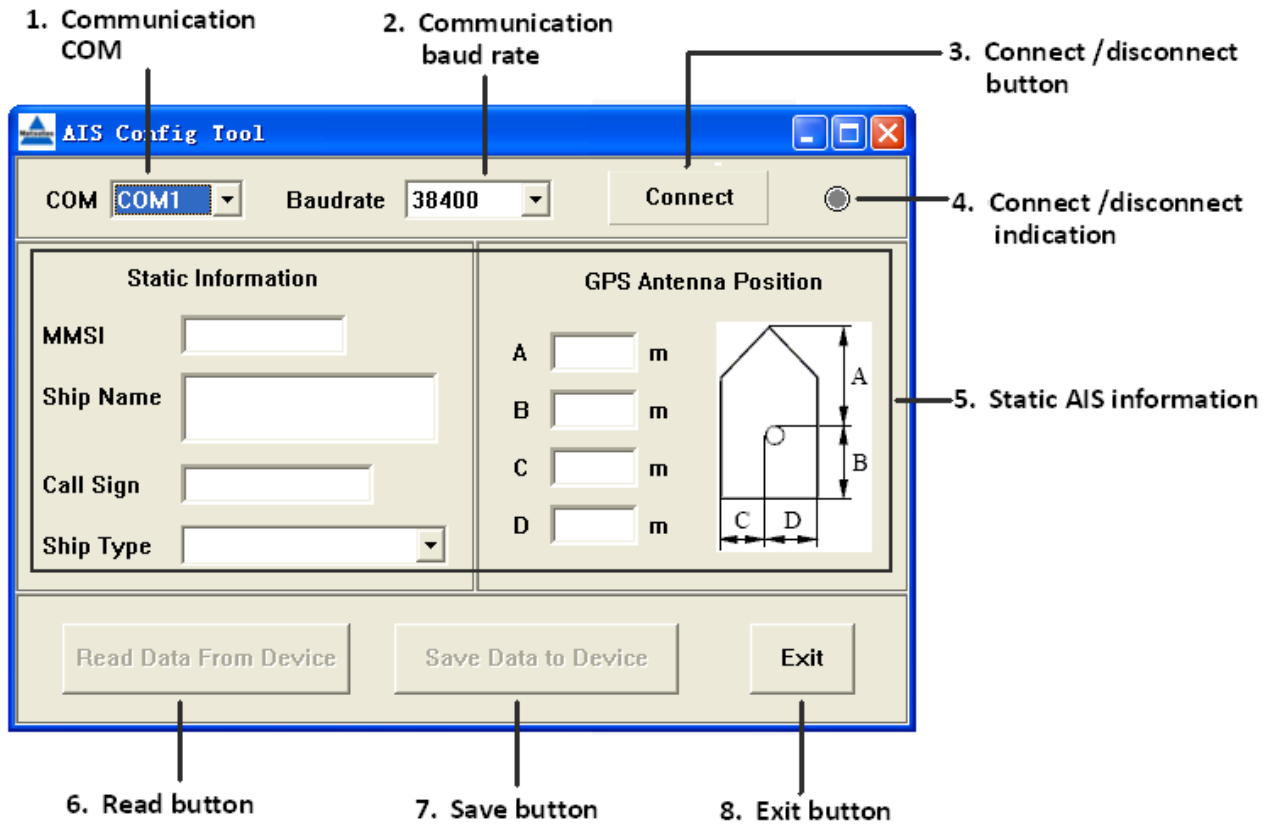
Note:
Get the correct com port number from the com port property on the device manager of the computer.

2.3   Power on the AIS device.

2.4   Run the application HA_CONFIG.exe.

Below shows the illustration and definition.

Definitions:

1. Communication COM

The com port on the computer that is to communicate with the AIS device

2. Communication baud rate

The baud rate of the com port to communicate with the AIS device

3. Connect /disconnect button

Click to switch between com port connect and disconnect.

4. Connect /disconnect indication

◉ Disconnected

🟢 Connected

5. Static AIS information

a) 9 digits for MMSI
b) Max 20 capital characters for ship name
c) Max 7 capital characters for call sign
d) Ship type list. Choose from the list
e) Dimension of the ship, Bow A, Stern B, Port C, Starboard D.

Note: c), d), e) are de-active on HAB-80.

6. Read button

To read and show the static configuration of the AIS device

Button de-active when AIS device is disconnected.
Button active when AIS device is connected

7. Save button

To program the edit static configuration to the AIS device
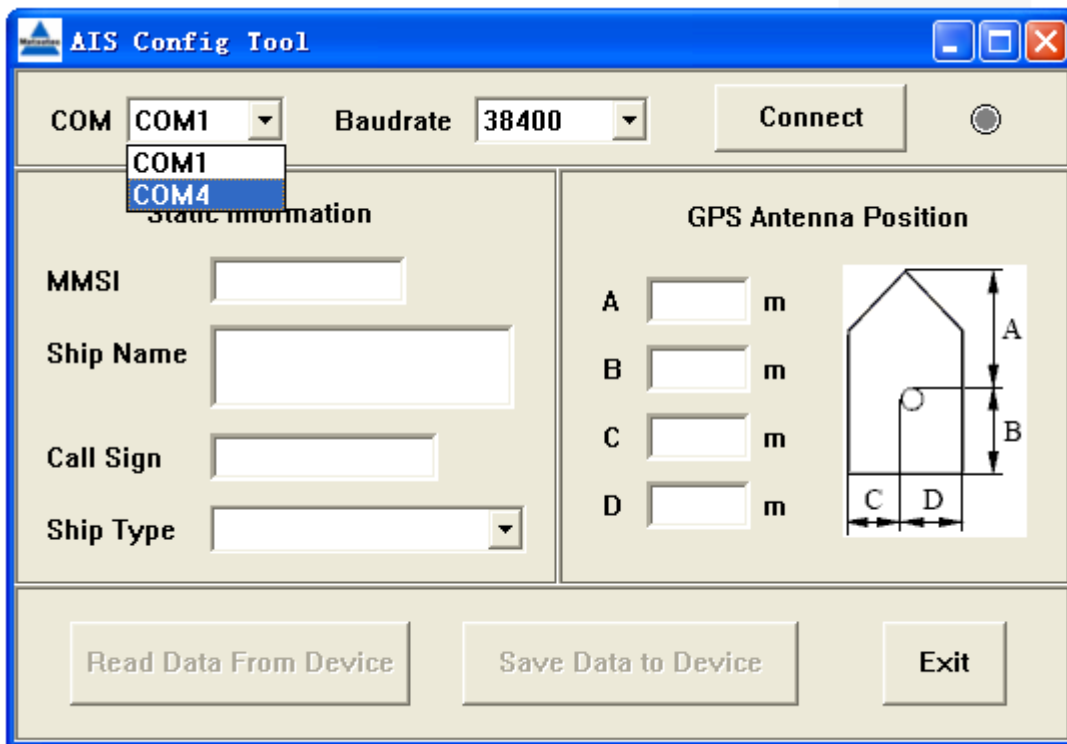
Button de-active when AIS device is disconnected
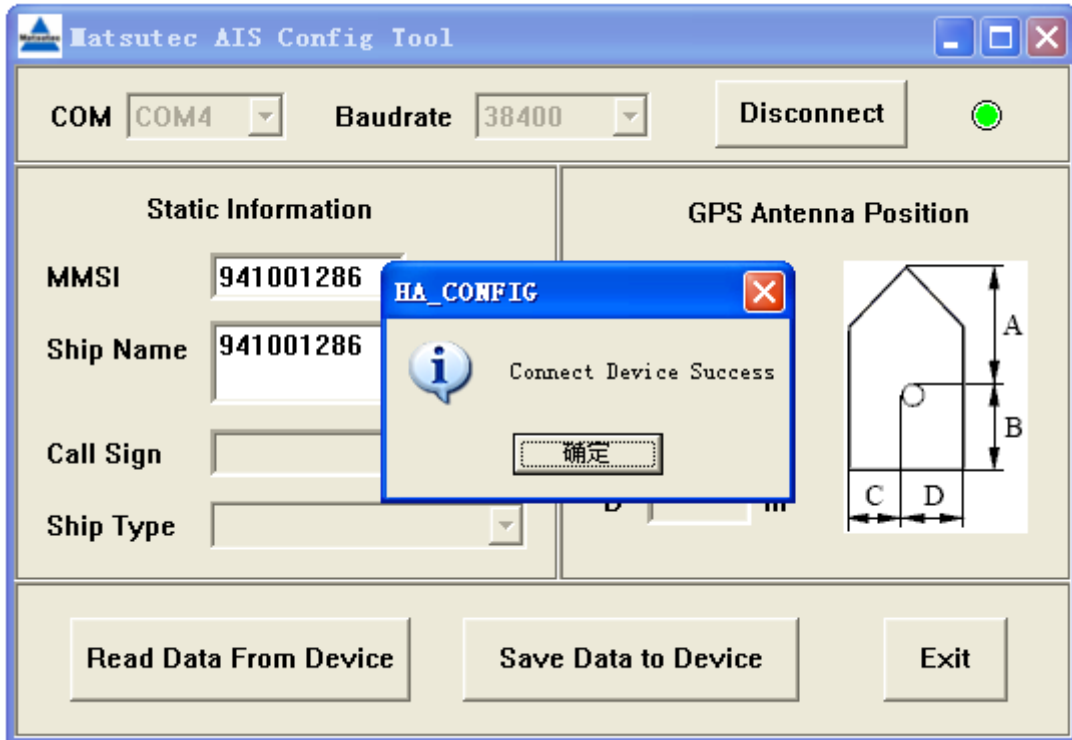Button active when AIS device is connected

8. Exit button

To exit from the application

2.5   Select the correct com port that the USB adapter cable is recognized by the computer. Use the default baud rate 38400bps.

2.6 Click the **[Connect]** button on the right side to setup a connection between the application and the AIS device.

It will return "Connect Device Success" and update the current static configuration of the AIS device.

*For model HAB-80, only MMSI and Ship Name are active, other items are de-active.
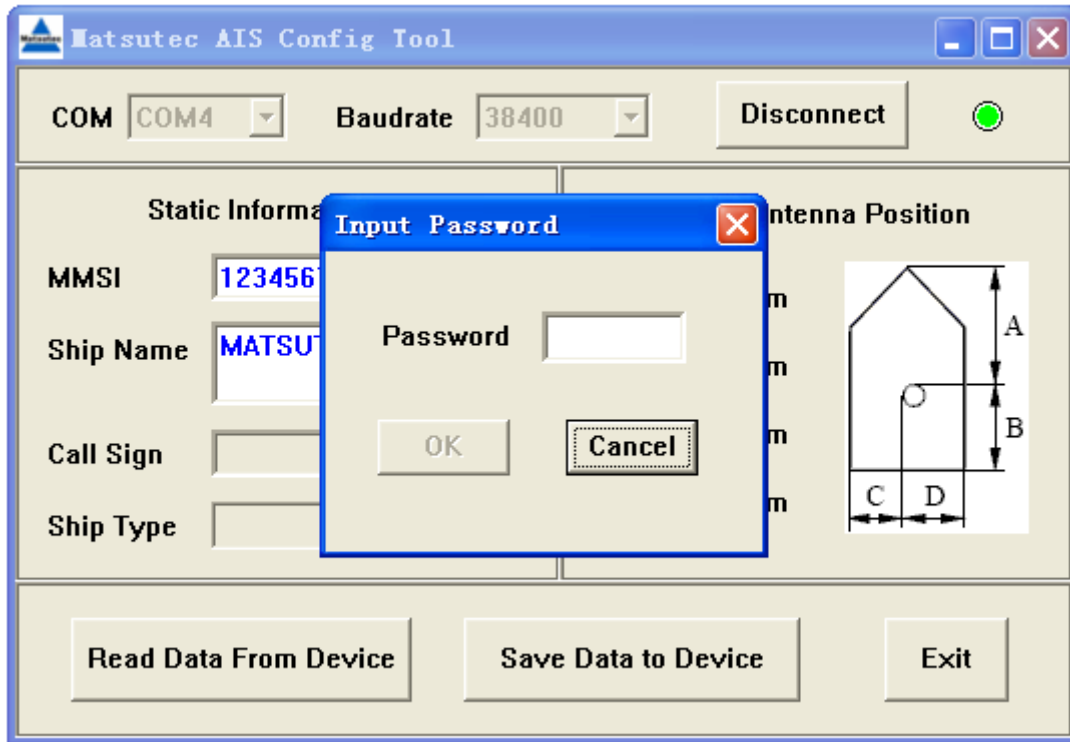
2.7   Edit the static data, make it of your own unit.
        Changed items will show in color BLUE.

2.8 Click the **[Save Data to Device]** button to program the AIS device.
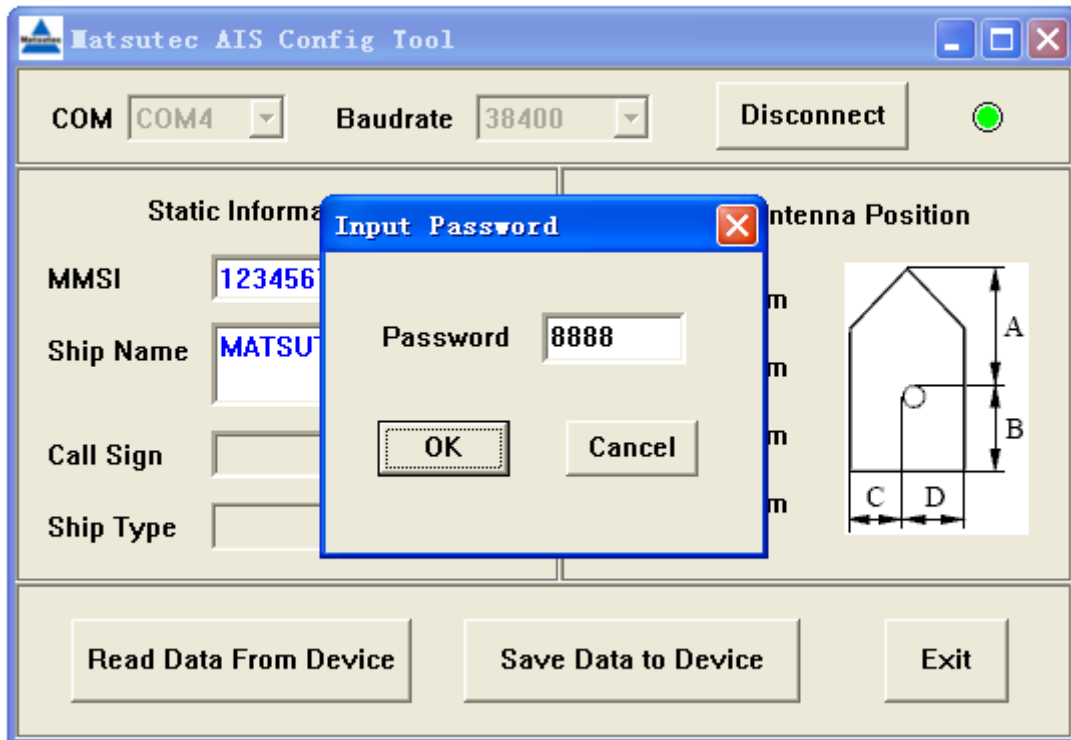
A password is needed.
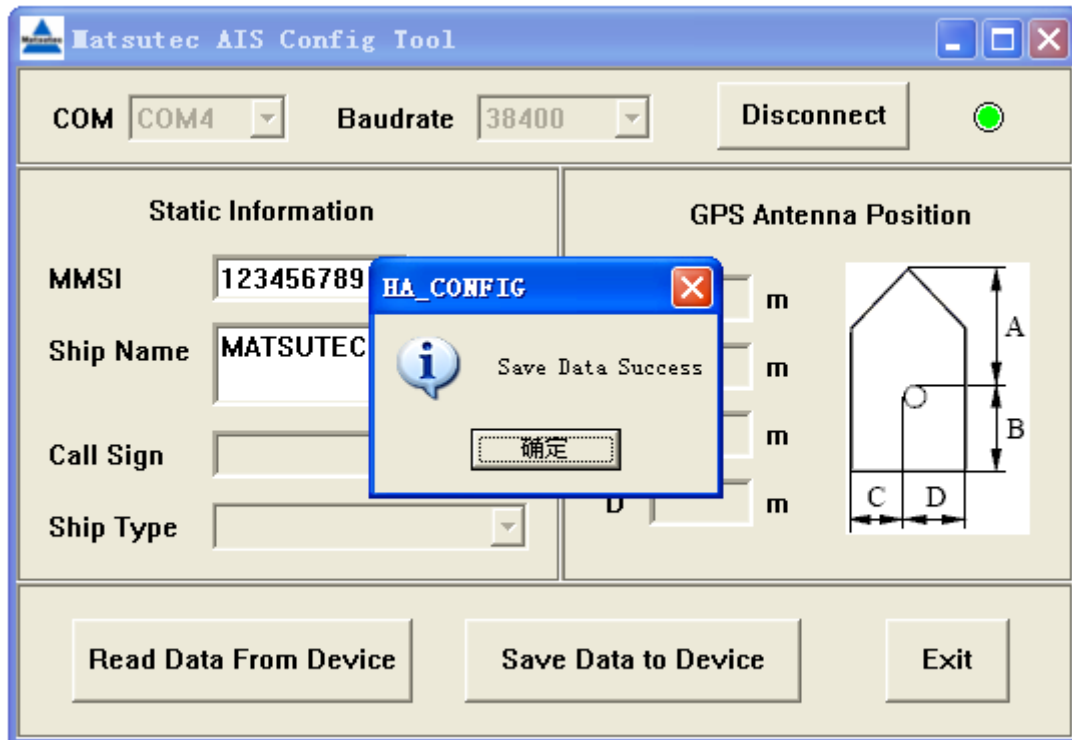
Input the password, click [OK].

Note:
The initial password is 8888.
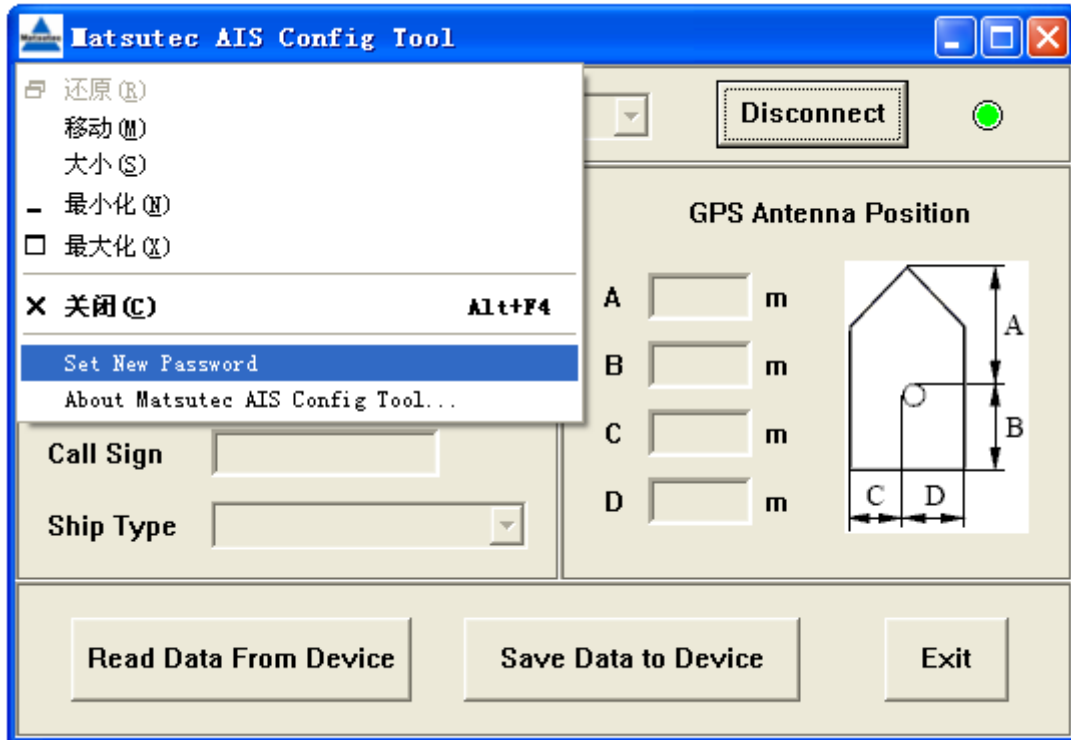**You can change the password. Please refer to chapter 2.9 Set New Password.**

It will return "Save Data Success" and update the current static configuration of the AIS device when the password is correct, otherwise it will return "Save Data Fail!".
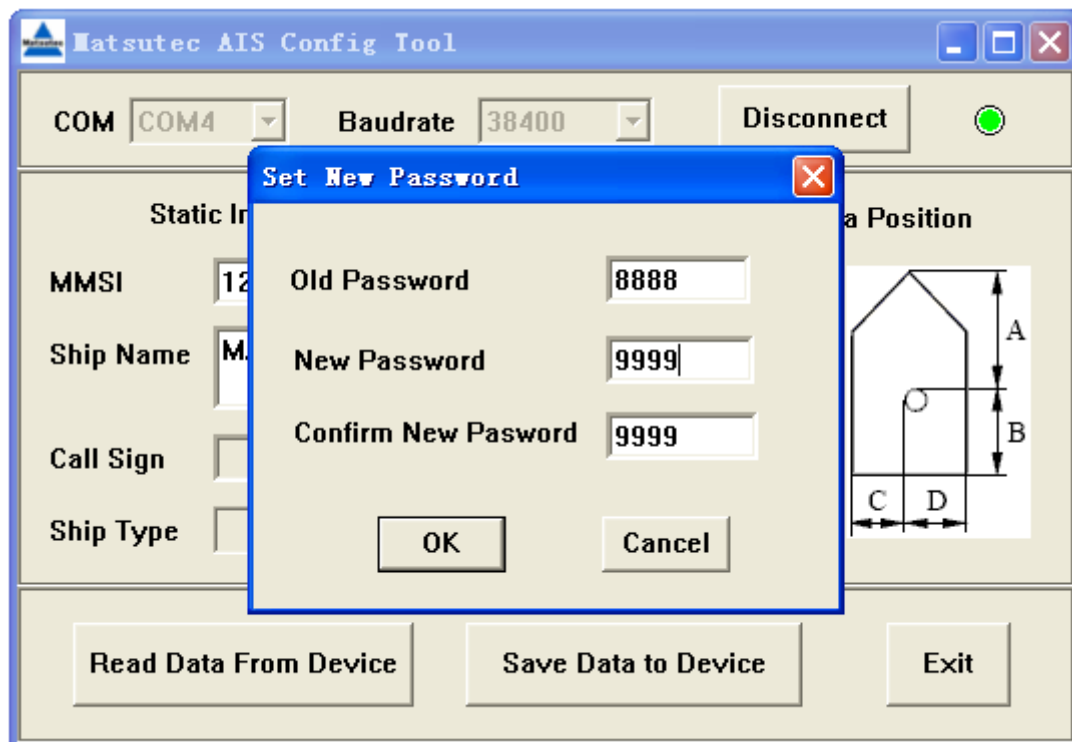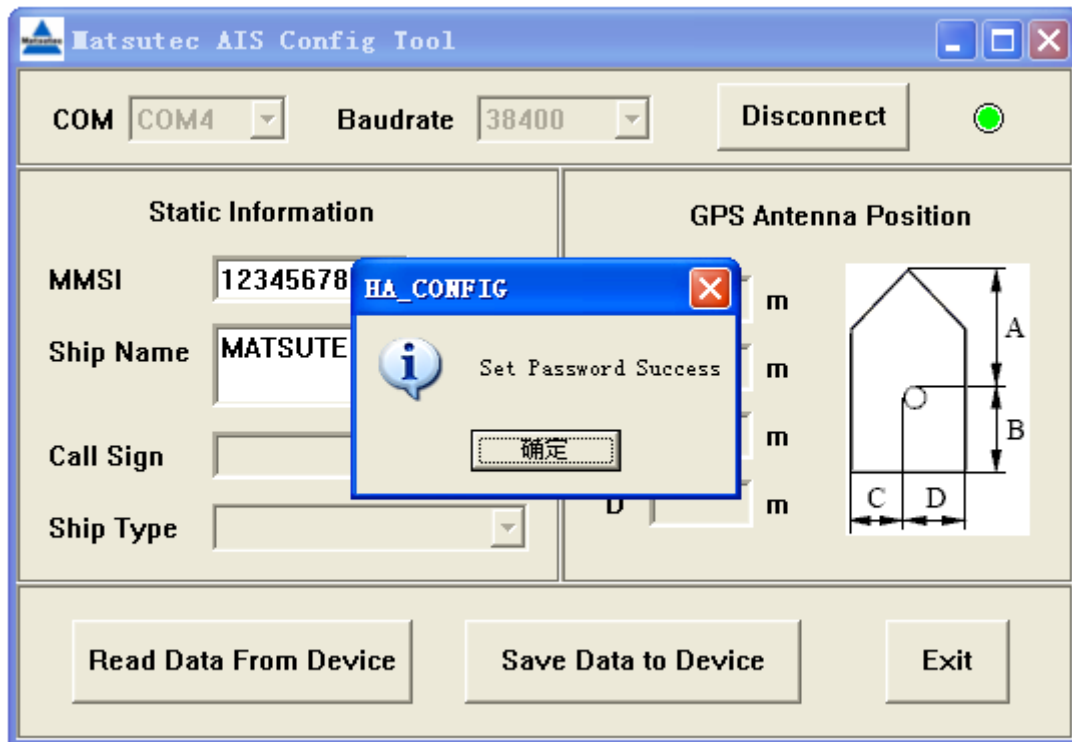
2.9   Set New Password.

Click the logo on the upper left side of the window to get the dropdown menu, and select the item Set New Password.

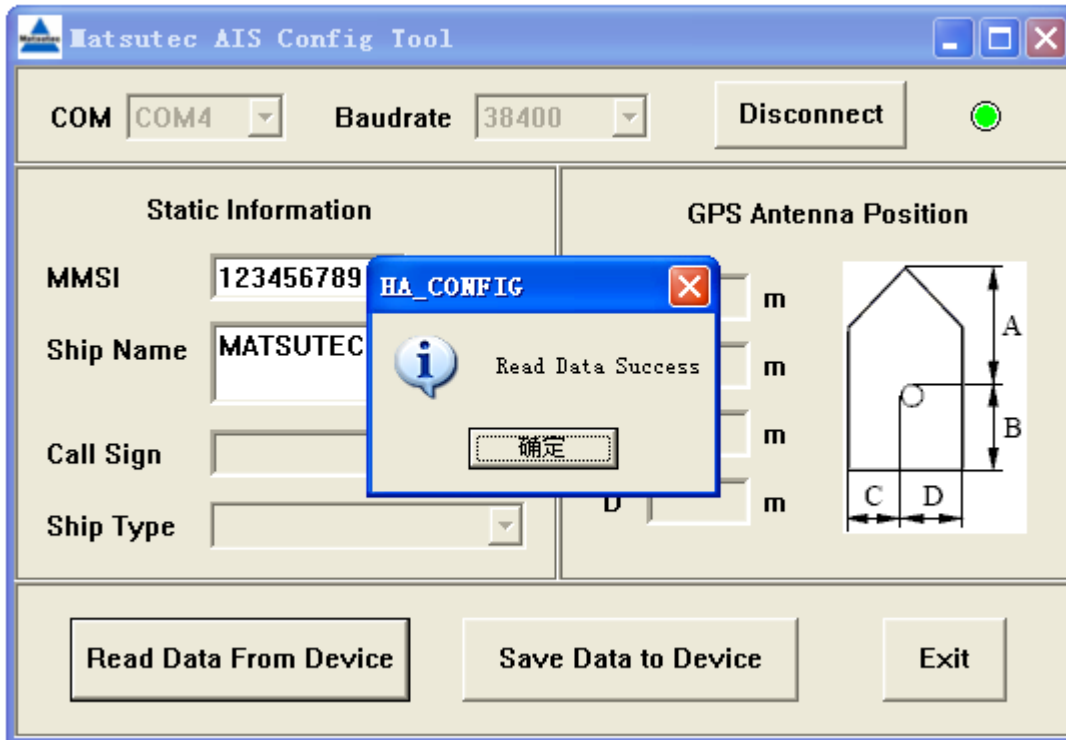Input the old password and new password, then click [OK].

It will return "Set Password Success".

Remember the new password, next time when you program MMSI and ship name, you need input the new password.

2.10 Click the **[Read Data From Device]** button to get the current configuration.

It will return "Read Data Success" and update the current static configuration of the AIS device.

Appendix 1 Troubleshooting

Type	Symptom	Remedy
COM Port Error	HA_CONFIG COM Port open error! 确定	The port is not recognized or could not be used. This fault is normally irrelevant to the AIS device. Check the computer port connection.
Communication Fails	HA_CONFIG Connect Device Fail! 确定 HA_CONFIG Read Data Fail! 确定 HA_CONFIG Save Data Fail! 确定	Communication fails. 1. AIS device power on? 2. Use the wrong com port to communicate? 3. Confirm the wire connection.
Password Error	HA_CONFIG Save Data Fail! 确定	Password Error. 1. Please confirm input the correct password.

Could not input in the edit box of MMSI, ship name, call sign.		1. Confirm
		    9 digits for MMSI
		    Max 20 capital characters for ship name
		    Max 7 capital characters for call sign
		2. Delete the space characters at the end of the line and input again.