ZEISS FIB-SEM 002 Safely Powering Off On your Crossbeam System User Manual

FIB-SEM 002 Safely Powering Off On your Crossbeam System User Manual

Brief Instruction FIB-SEM 002
Safely Powering Off/On your Crossbeam System

Contents

Shuting down the Microscope

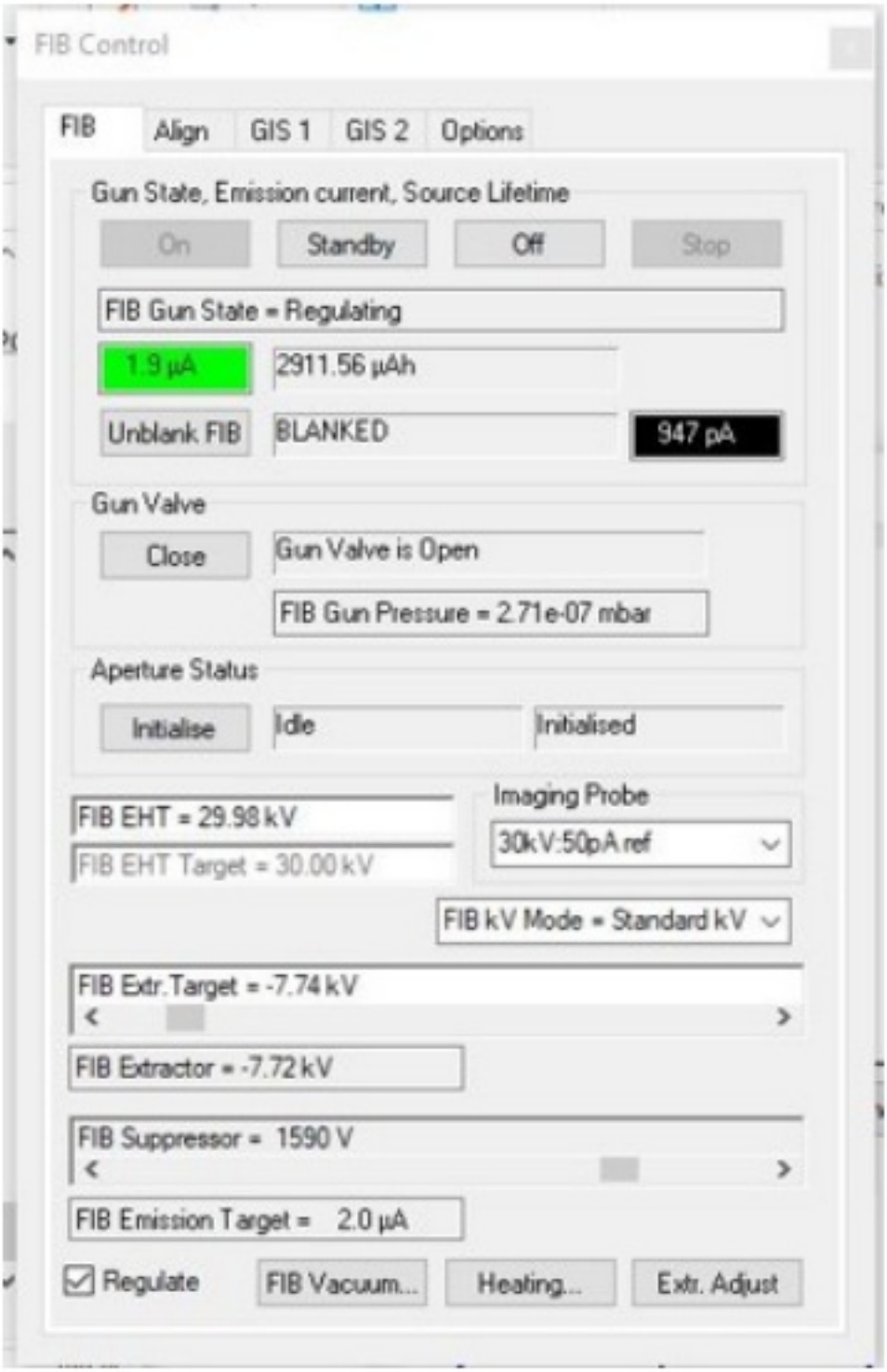
This manual will safely guide you to power your Crossbeam Off and On.
Info
Please note the following

- This method works with the pumping system off for one day maximum. For a longer period of time, contact Zeiss service to help you with an eventual bakeout of the system or a more complex vacuum recovering procedure.
- Not every user profile is allowed to switch off the SEM gun. For this procedure, select at least the SYSTEM user profile.

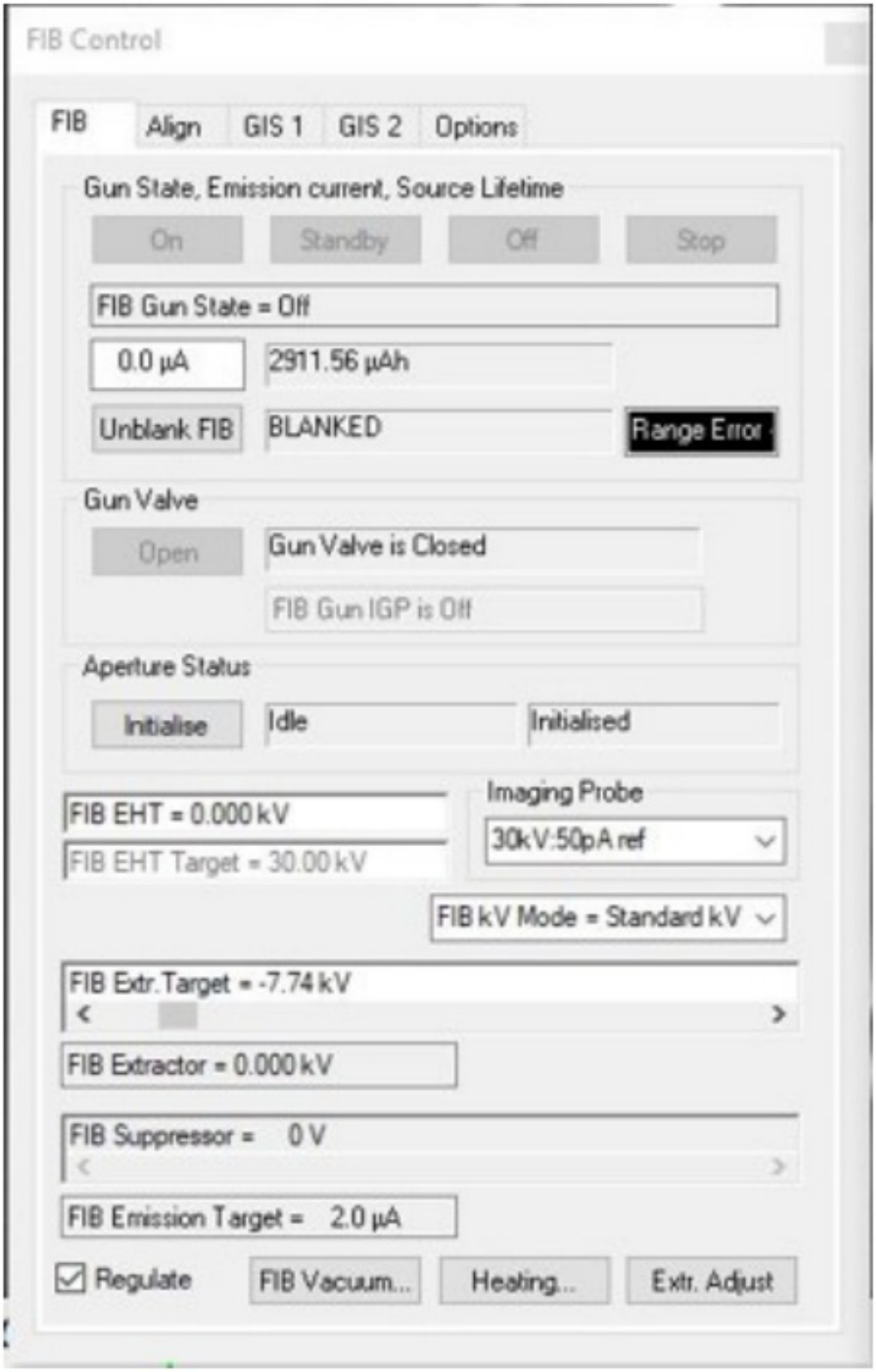
1.1 Shuting down the FIB Gun

Procedure

1. Select the FIB Control panel.



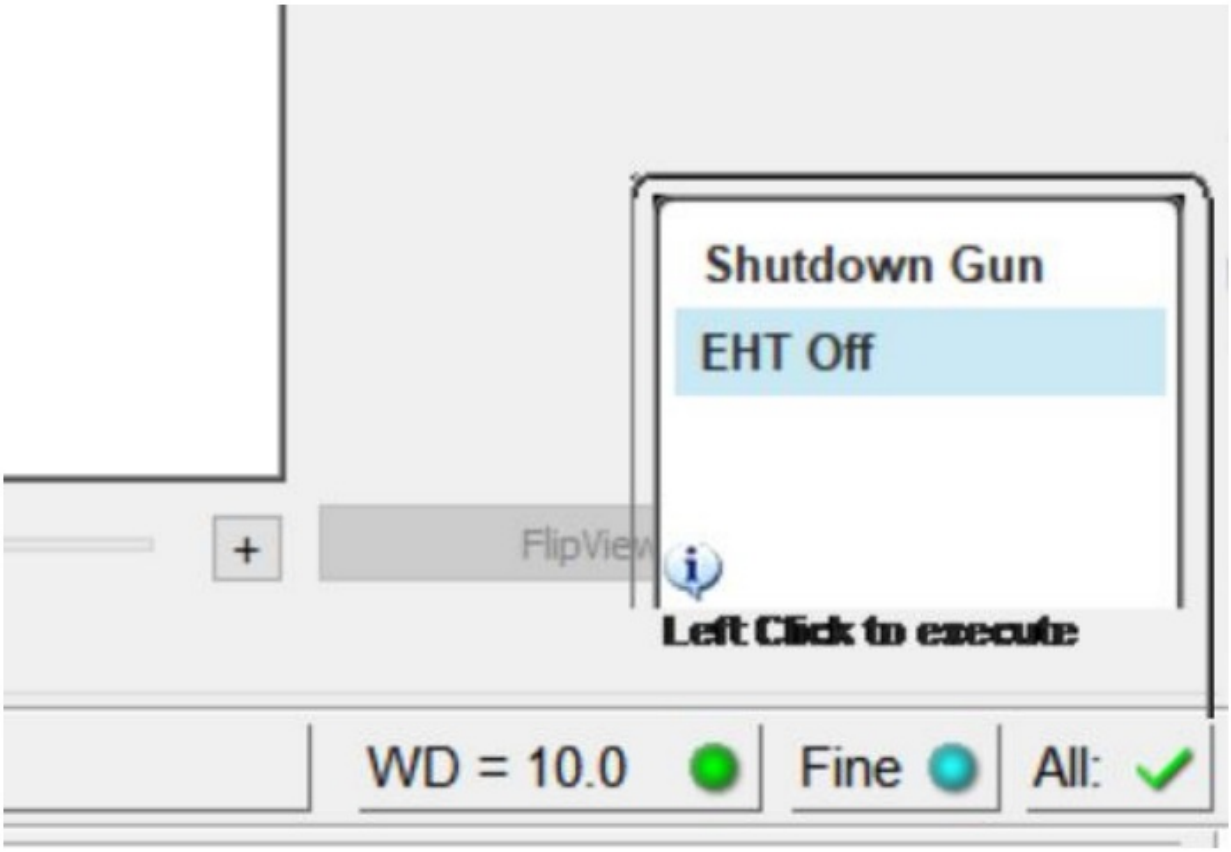
2. Click Off.
3. Wait for FIB EHT = 0



4. Close the FIB Control panel.

1.2 Shutting down the SEM EHT
Procedure

1. Go to the lower right corner of the user interface.
2. Select All > EHT Off.

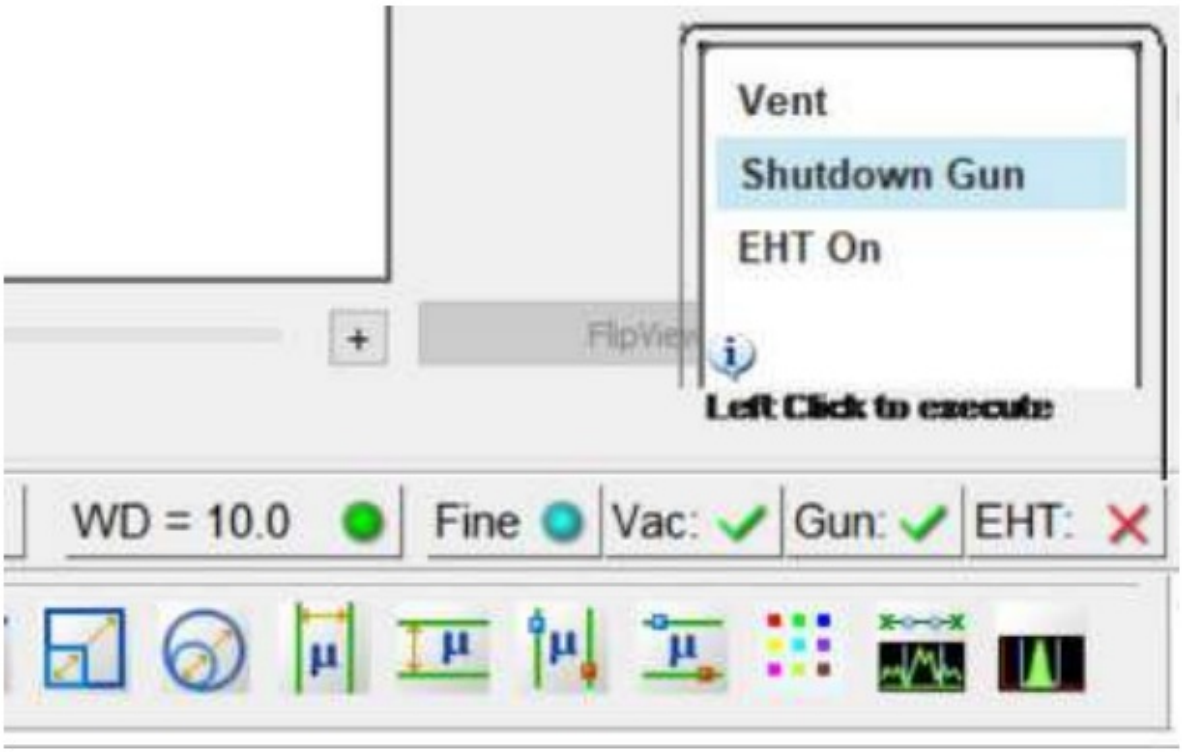


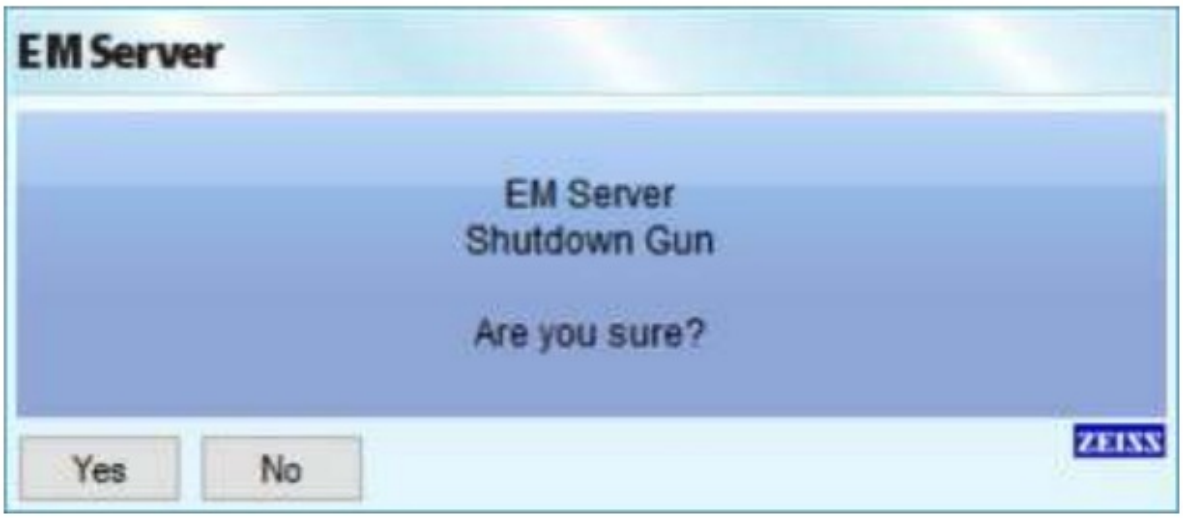
3. Wait for the Running down.. bar to fill and disappear ↳ 

is displayed.

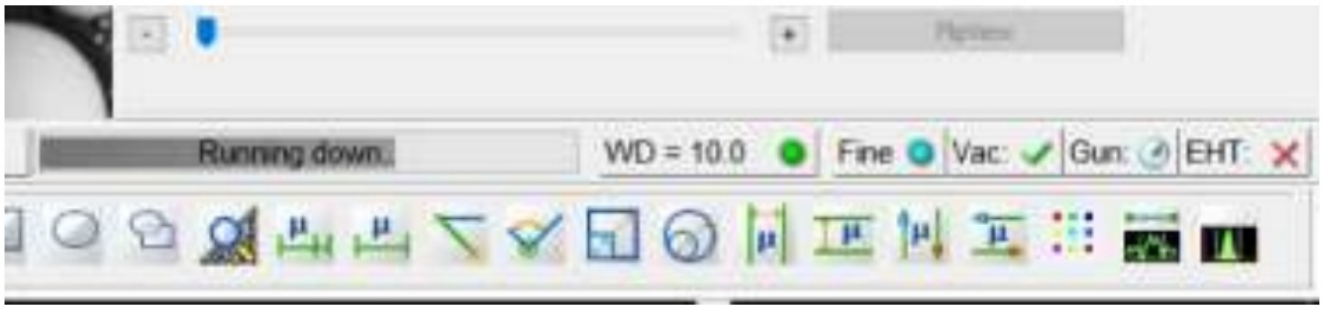
1.3 Shutting down the SEM Gun
Procedure

1. Go to the lower right corner of the user interface.
2. Select Gun > Shutdown Gun.





3. Confirm with Yes.



4. Wait for the Running down.. bar to fill and disappear is ↳ 

displayed.

1.4 Shuting down the SmartSEM User Interface
Procedure

1. Go to the upper right corner of the user interface and click X .

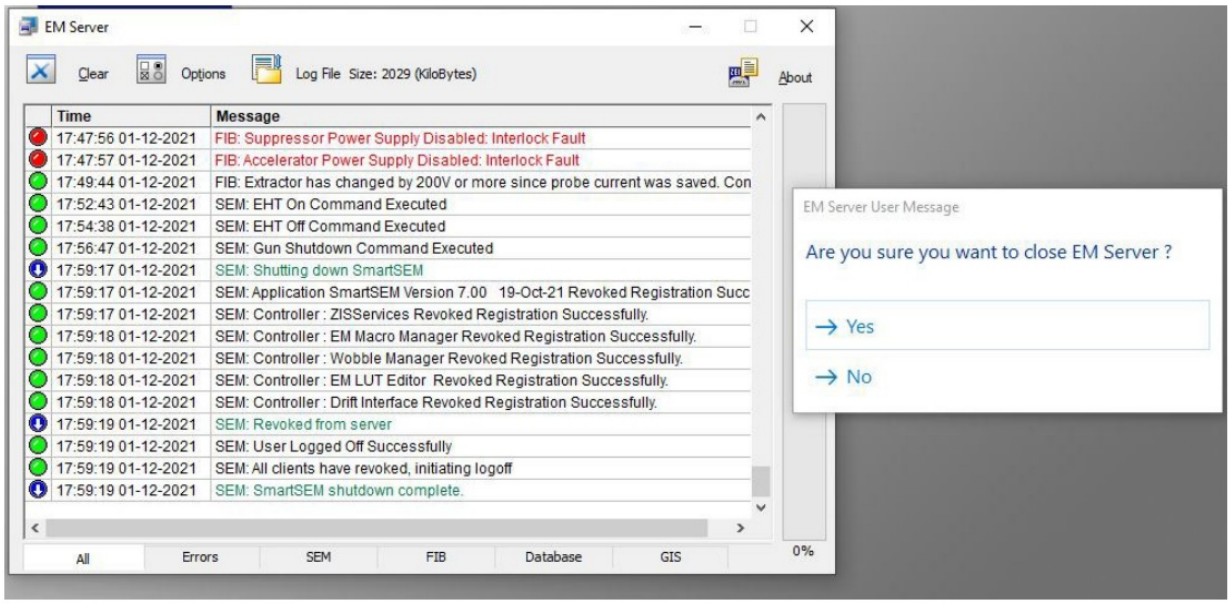
2. Confirm to close the software.

The SmartSEM user interface closes.

1.5 Shuting down the EM Server

Procedure

1. Locate the EM Server window. It may be minimized in the Windows toolbar.
2. To close the server, click X in the upper right corner.
3. Confirm to shut down the EM Server.

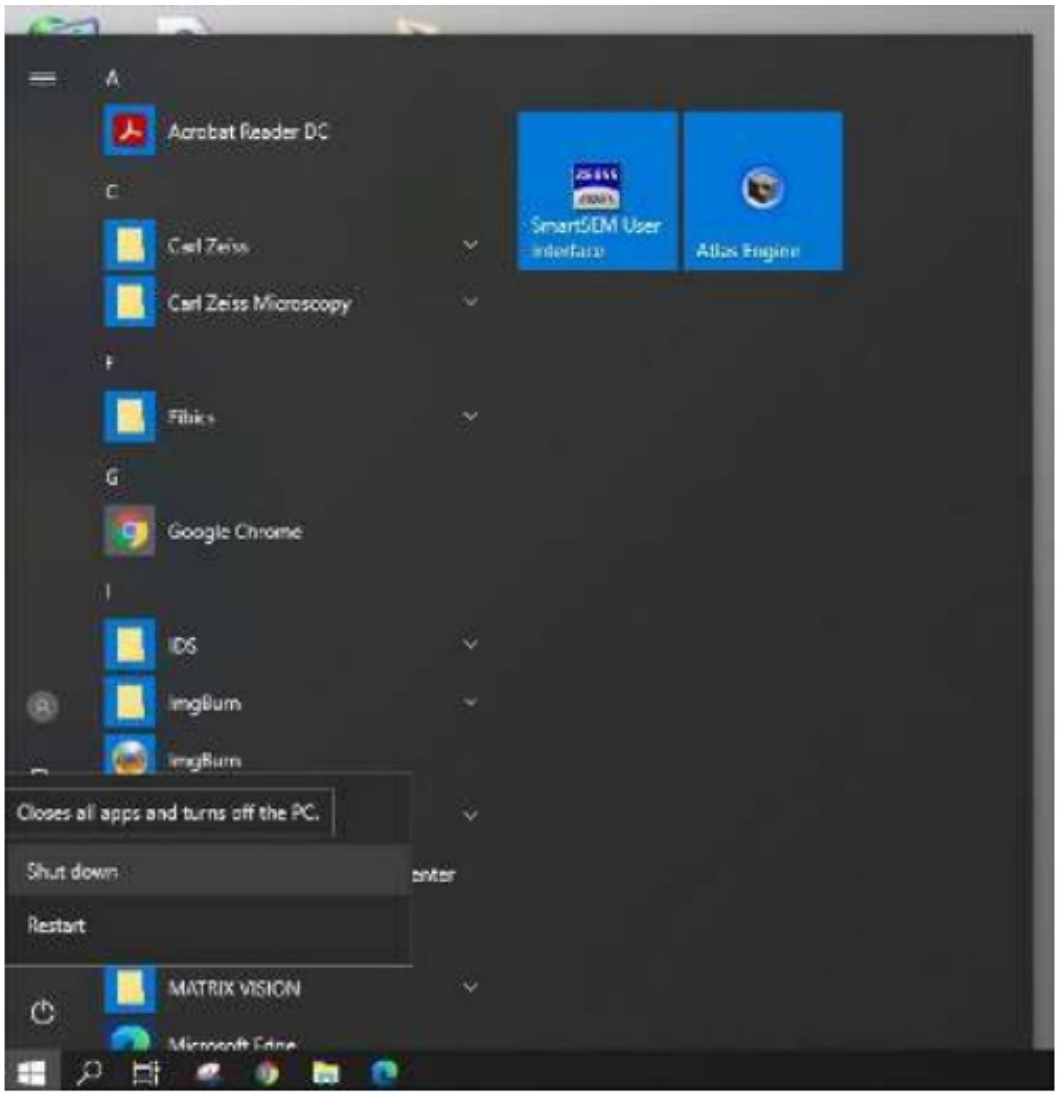


4. Wait until the server window disappears.

1.6 Shuting down the PC

Procedure

1. Close all running applications.



2. Shut down the PC.

1.7 Turning off the Microscope at the Front Panel

Procedure

1. Locate the three buttons at the front of the microscope

2. Press the red OFF button and wait until it is the only one that remains illuminated.

1.8 Turning off the Microscope at the Back Panel
Procedure

1. Locate the black rotating knob at the back panel of the microscope.

2. Turn it to the OFF position.

   The microscope is now off.

Restarting the Microscope

2.1 Switching on the Microscope at the Back Panel
Procedure

1. Locate the black rotating knob at the back panel of the microscope.

2. Turn it to the ON position.

   The microscope is now ON.

2.2 Switching on the Microscope at the Front Panel
Prerequisite
Only the red OFF button is illuminated
Procedure

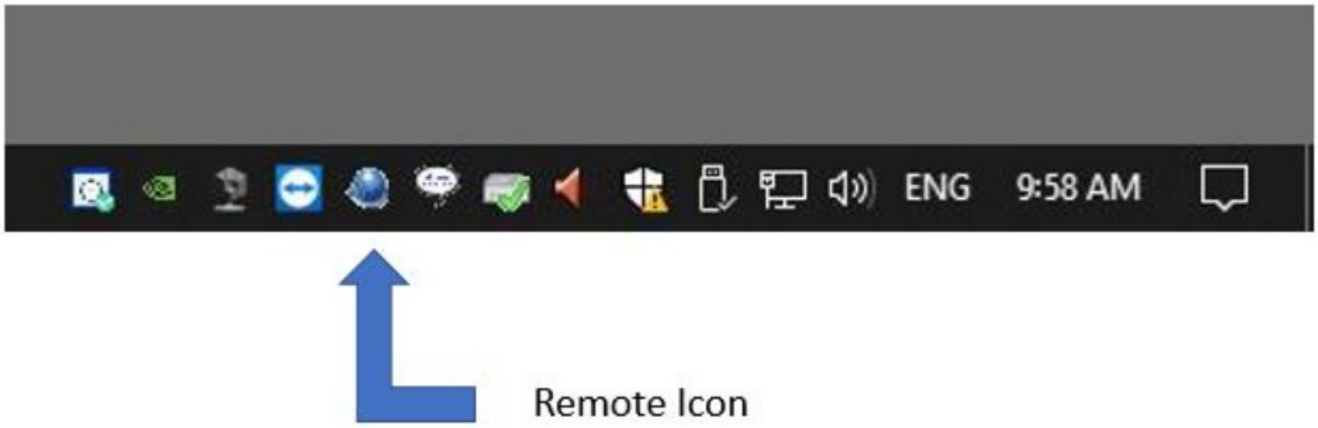
1. Locate the three buttons at the front of the microscope.

2. Press the ON button and wait until it is the only one that stays illuminated.

2.3 Starting the PC
Procedure

1. Switch on the PC.

2. Log on to your Windows user account (default is User: SEM; Password: sem).
3. Make sure the remote icon is displayed in the bottom right corner before launching SmartSEM.

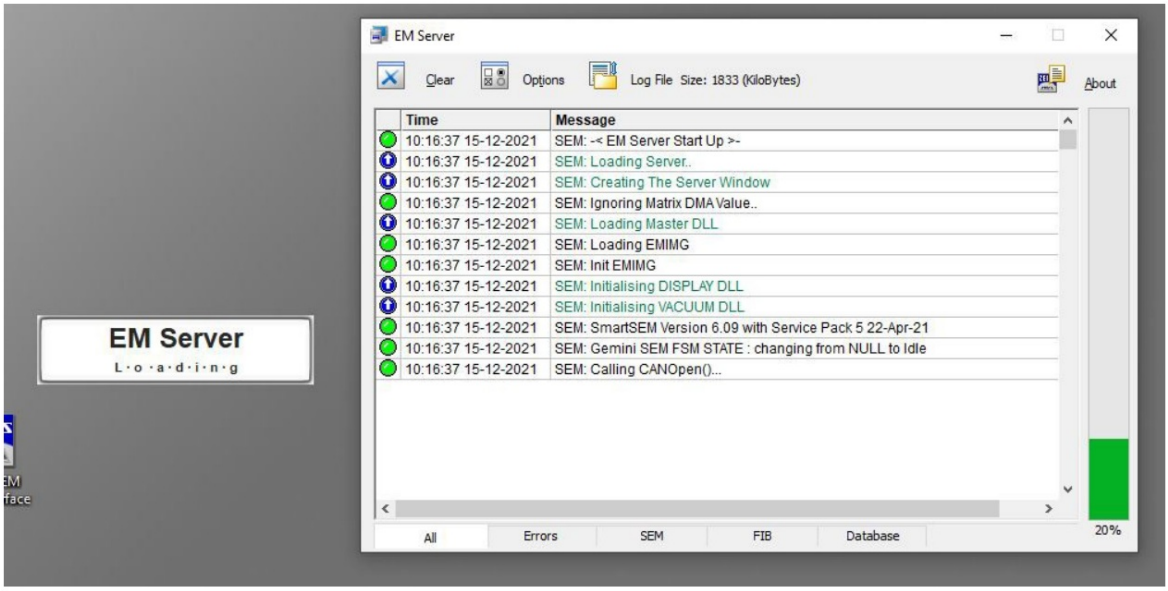


2.4 Starting SmartSEM

Procedure

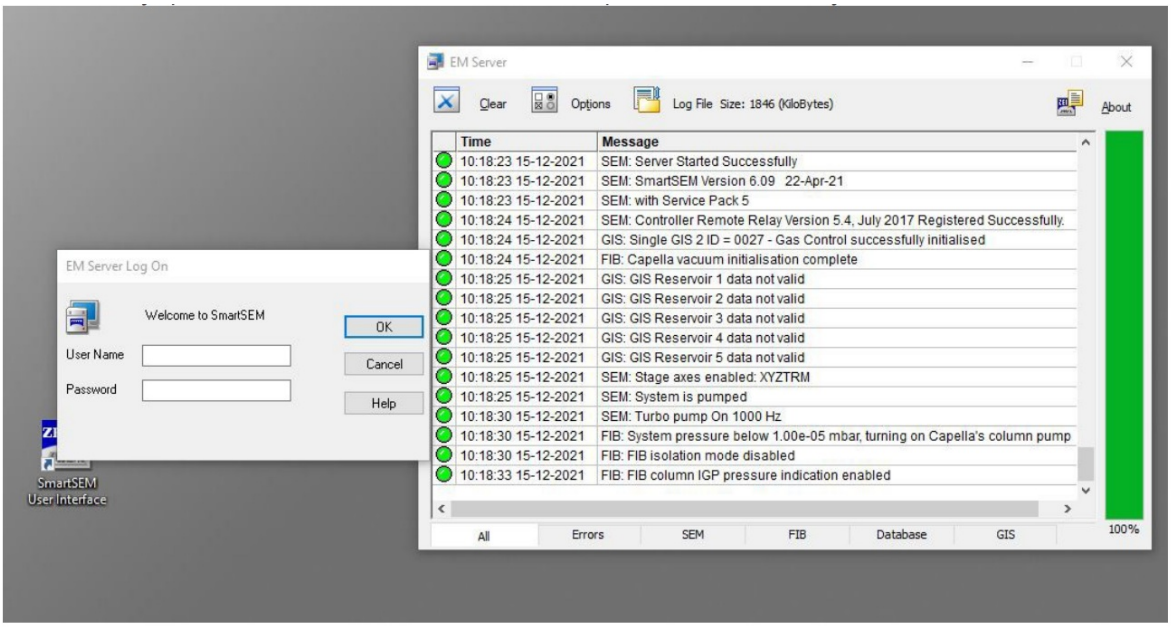
1. On the desktop, double click the SmartSEM user interface icon 

   The EM Server starts.

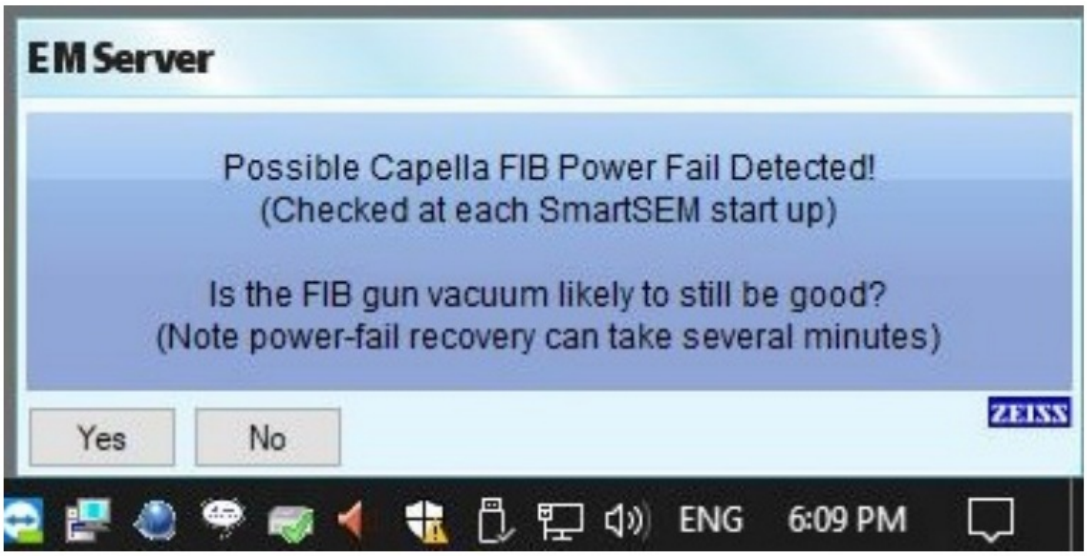


2. Log on to the “system” account by entering user name and password.

   Alternatively, press <Ctrl+s>. There is no default password for the system user.



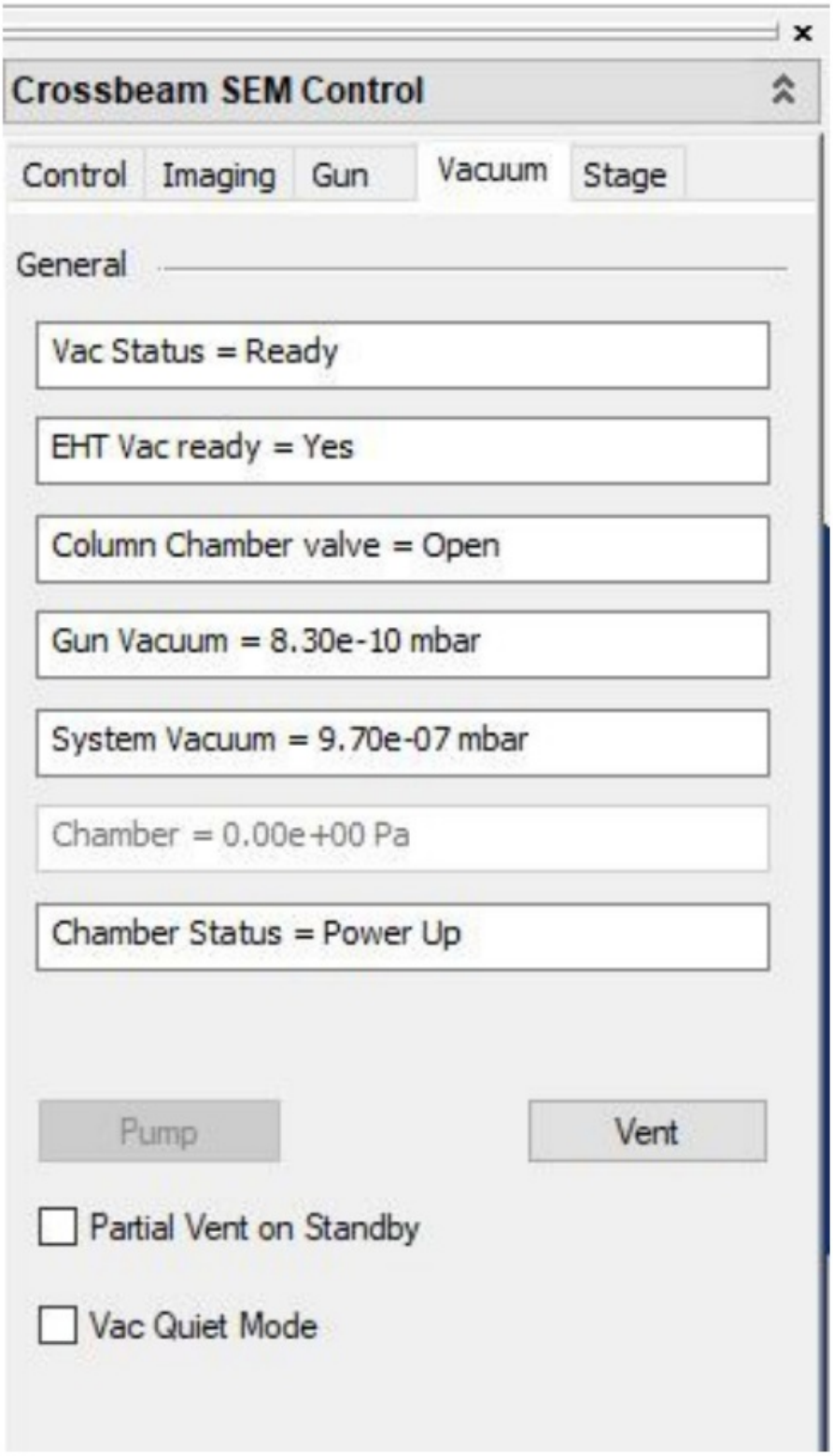
An error message should appear in the bottom right corner of the screen.



3. Do not click anything, but wait for SmartSEM to finish booting.

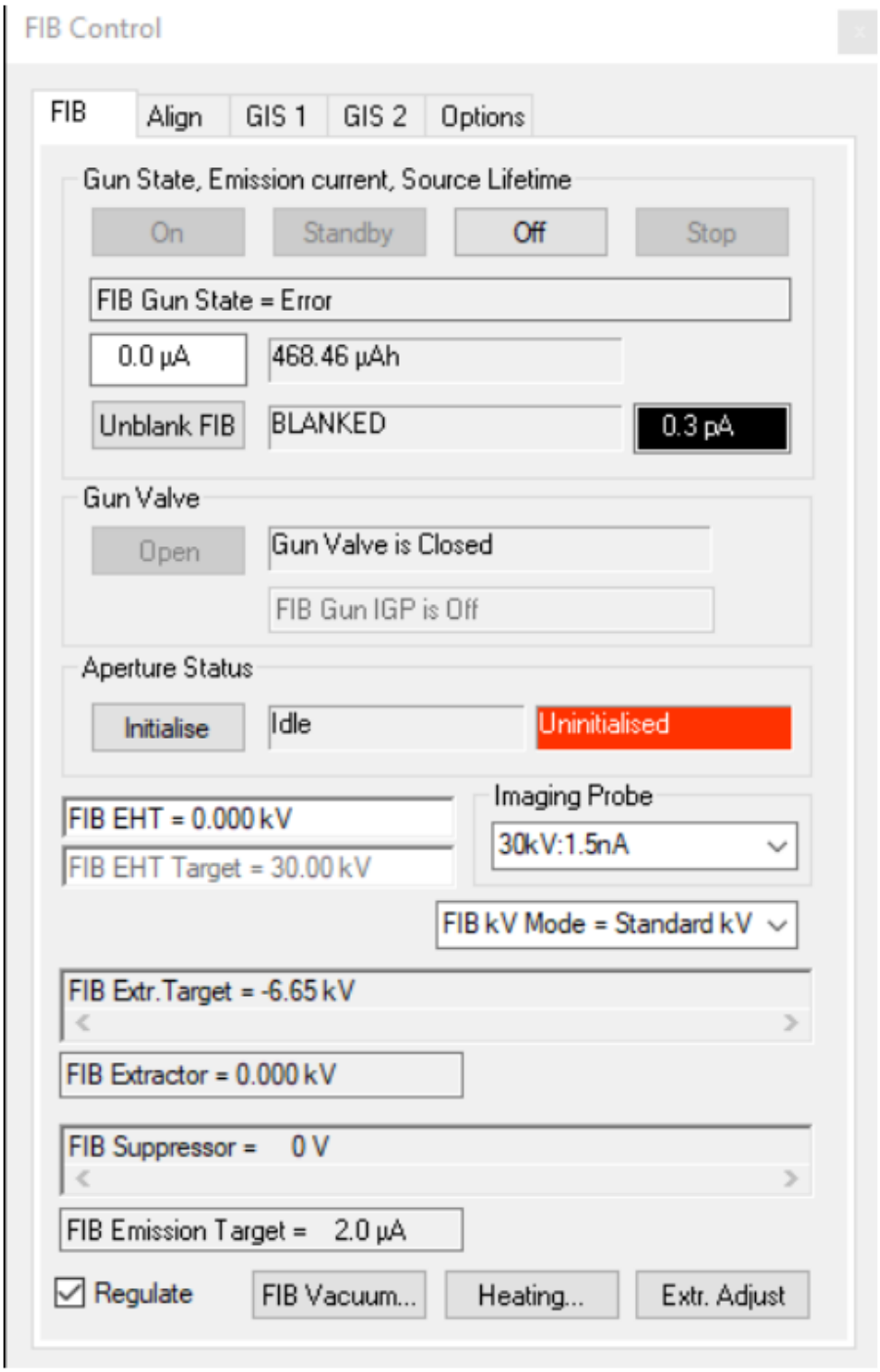
2.5 Waiting for SEM Vacuum
Procedure

1. Navigate to the Crossbeam SEM Control panel and wait until Vac Status is “Ready”.

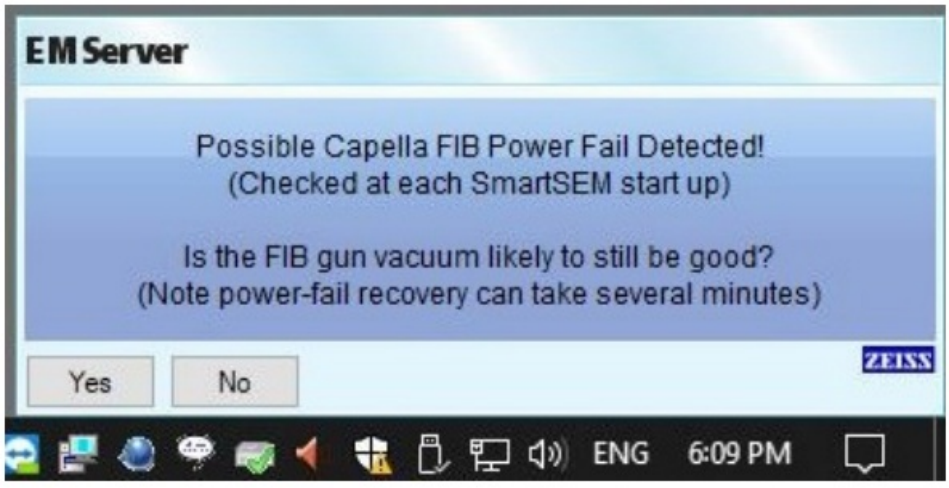


2.6 Waiting for FIB Vacuum
Procedure

1. On the top right corner of the UI, click the FIB Control icon 
   The FIB Control panel is displayed.

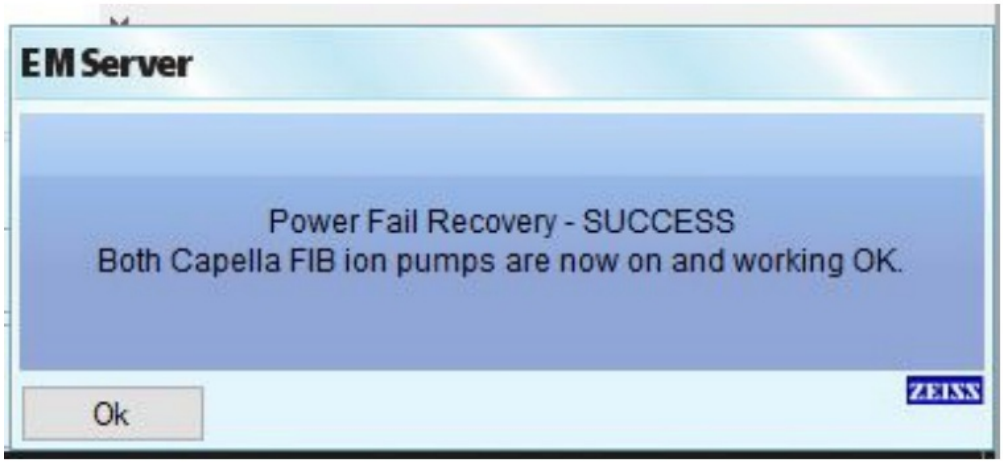


2. In the bottom right corner, confirm the error message with Yes.



SmartSEM launches the power fail recovery process.

After pumping time the last power fail recovery message should be displayed.



3. Click OK.

   The microscope is now ready for normal operation.

Info
If you have any further questions, contact:
Microscopy Headquarters **info.microscopy.de@zeiss.com**

Documents / Resources

	ZEISS FIB-SEM 002 Safely Powering Off On your Crossbeam System [pdf] User Manual FIB-SEM 002, Safely Powering Off On your Crossbeam System, FIB-SEM 002 Safely Powering Off On your Crossbeam System, Powering Off On your Crossbeam System, Off On y our Crossbeam System, Crossbeam System

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