How to install the SW (X-CUBE-MEMS2) for using the X-NUCLEO-IKS01A1 and NUCLEO-F401RE

1) You must have:

- <u>X-NUCLEO-IKS01A1</u> MEMS environmental sensor expansion board for STM32 Nucleo
- X-CUBE-MEMS2 STM32Cube expansion software for X-NUCLEO-IKS01A1
- <u>CUBE-F401RE</u> STM32 Nucleo development board for STM32 F4 series with STM32F401RE MCU, supports Arduino

2) Plug the X-NUCLEO-IKS01A1 on the NUCLEO-F401RE



3) Connect the NUCLEO-F401RE (with plug in the X-NUCLEO-IKS01A1) to the PC

4) Now unzip the X-CUBE-MEMS2 and install the:

osxMotionFX_Setup_v1.0.0.exe (v1.0.0 is the release of my installation). ATTENTION: for do this installation are request the administrator permission. At the end of the installation, run **Open.MEMS - MotionFX for STM32** (see below).



	Nucleo heards	
57	Nucleo board: Board model: NucleoF401RE Flash size: 512 KB	User name: EMCU Company:
life.augmented	Ram size: 1	2
ODA	Identify STM32 Nucleo board	Generate license request
OpenSoftwareX	Site identification:	Send license request email
open.MEMS	Node code: D8F9AD4A52359E234B0B6A801A	5C527
	Site code: 485BA4AC6E1F8AEE8F7A839EE17	D8A42 Exit
MCU STI RF MEMS	STMicroelectronics OpenSoftwarex STM32 Nucleo License Wizard (v1.0 Date: Friday, 26/December/'14	

From the window that appears select **1** and after **2**, see below.

Now press: Send license request email.. (see below).

	Nucleo board:		User informati	User information	
	Board model:	NucleoF40 1RE	User name:	EMCU	
	Flash size:	512 KB	Company:		
ife.augmented	Ram size:	96 KB	Email:		
OCV					
JOV		Identify STM32 Nucleo board		Generate license request	
OpenSoftwareX	Site identification	1:		Send license request email	
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pen.MEMS	Node code:	D8F9AD4A52359E234B0B6A801A05C52			
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MCU MCU FTI MEMS	Date: Frida Copy the te and send it 	y, 26/December/'14 xt in the below section (betwe via email to open.mems@st.com MEMS: MotionFX v1.0.0 license name: EMCU company: email: OSX_MOTION_FX_V100 d model: NucleoF401RE Code: D8F9A04A52359E23480B Code: 485B44C6E1F8AEEBF7A	en the lines) request	-	