

Required python --version 3.10.\*

To install a **virtual environment (venv)** and start the **local server**, you need to run the following commands from the project folder in the terminal:

#### install\_venv\_and\_run\_server\_cmd.bat

```
06/12/2023 12:02 <DIR> .
06/12/2023 12:06 <DIR> ..
05/12/2023 16:48 <DIR> html
06/12/2023 11:02      897 install_venv_and_run_server_cmd.bat
05/12/2023 16:28      80 requirements_qtech.txt
11/11/2023 23:27    50 176 tutorial_run_server_in_venv_windows.doc
                3 fichier(s)          51 153 octets
                3 Rép(s)  235 839 787 008 octets libres

d:\Work\Sosnova\Supelec\Supelec_QTech_EN_29_10\QTech>install_venv_and_run_server_cmd.bat
```

- After the first launch the **venv** for the project will be installed in the folder *Qtech\_venv* (*QuantumM\_venv*)\* and necessary libraries will be installed in from the requirements file.
- Subsequent launch the file activates virtual environment and runs **server**.

```
Run local server and deactivate venv after stop server with ctrl+C
Serving HTTP on :: port 8080 (http://[::]:8080/) ...
```

- Now the project is running. You can access the website by opening <http://localhost:8080> in your web browser.
- You can stop the local server by pressing **Ctrl + C** in the terminal in which the server was run or close this terminal.
- The deactivation venv will be started automatically .

To activate the virtual environment without using “batch-file”, just run the next command in terminal from project’s folder:

#### QTech\_venv\Scripts\activate.bat

Your terminal prompt should change to indicate that you are now working inside the virtual environment:

```
d:\Work\Sosnova\Supelec\Supelec_QTech_EN_29_10\QTech>QTech_venv\Scripts\activate.bat
(QTech_venv) d:\Work\Sosnova\Supelec\Supelec_QTech_EN_29_10\QTech>
```

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\*The names of the file and the folder depend of the project’s name.