

Dedicated to **all experimental** science fields:
Life sciences, experimental physics, material sciences, chemistry...

One single platform for

1. Bench management

Hardware agnostic

- > Connect **all your experimental devices**,
- > Set up and drive your equipments,
- > In real time, even **remotely**,
- > **Save & Share** your settings with your team.



2. Data acquisition

On the fly & real time

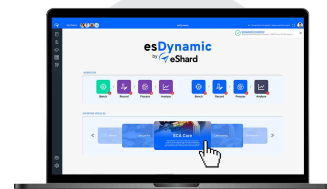
- > **Synchronize** multiple equipments,
- > **Program, launch & monitor** data acquisition,
- > **Bind** your data with the experimental configuration.



3. Data processing

Data sciences driven infrastructure

- > Launch **parallel & distributed** computing,
- > **Central point** of work for data & knowledge,
- > **Collaborative** for reconciling multiple experts.



With esDynamic, you can revolutionize your research journey and focus on what truly matters: **your research and experiments.**

the whole workflow.



Modular

- > Simplified addition of new equipments
- > Turn equipments in Python API or widget
- > Eased data management
- > Robust for long acquisition process



Powerful

- > Easy maintenance
- > One environment for all experimental setup
- > One environment for the whole workflow
- > Replay experimental work
- > Consolidate know-how



Open

- > Install or create your libraries
- > Create your algorithms
- > Choose your experimental data format



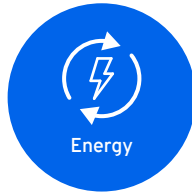
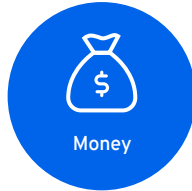
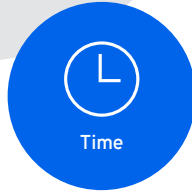
In your lab, integrated in your IT system.

Compatible with esDynamic: AI and data sciences analysis platform

esDynamic: esBox

Your team has now a unique point of work for **configuring equipment, setting up and launching data acquisition**; all in an open, adaptable environment with real-time processing.

SAVE



Criteria	Essential	Robust
Control HW Equipment	✓	✓
Manage Acquisition	✓	✓
Manage Bench Configuration	✓	✓
Remote Access	✓	✓
Access other esBoxes	✓	✓
Multiusers	✓	✓
I/O	4 USB	4 USB 1 LAN 10Gb 1 COM opt: 4 GPIO
CPU	4 Cores limited TDP	10 Cores
PCI Extension Slot	—	2 slots (16x)
Pricing	24,800.00€	29,900.00€

Use case:

Super-Resolution Microscopy

The bench, equipped with a laser, camera, and microscope, is connected to the esBox and set up with tailored parameters. You can now get the highest-quality imagery at the click-on-a-button.

