

Museu Faraday

Instituto Superior Técnico
Universidade de Lisboa

2025
Snap Shot

- **11 Rooms (10 visit able)**
- **~2000 /year visitors**
- **>1000 objects collected**
- **Interactive experiences**
- **New ChatBots based on AI**



**MICHAEL
FARADAY**

1791-1867



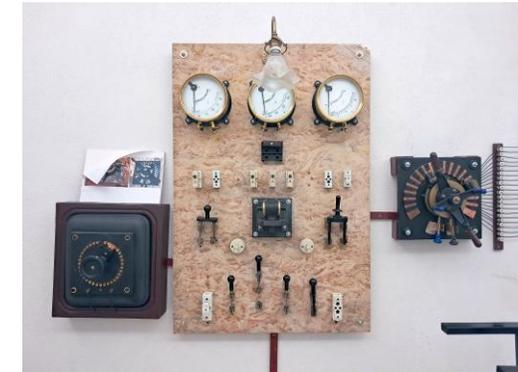
- **Electrochemical Cells**
- **Electromagnetic Instruments**
 - **Motors & Generators**
 - **Communications**
 - **Audio**
 - **AI Works**
 - **Visits & Expositions**
 - **Future Work**

- **Volta Pile - 1800 (replica)** →
- **Grenet Pile - 1859** →
- **Tudor Battery - 1918** →
- **Burgess Battery- 1920** →
- **FST IST Battery - 2010** →
- **Hercúlea MJ - 2020** →



MJ Replica
Edison Chemical
Counter - 1880

- **Differential Galvanom. - 1880**
- **Energy Counter Aron - 1882**
- **Tangent Galvanom. - 1890**
- **III Galvanom. - 1898**
- **Energy Control Board - 1918**
- **Power Meter - 1930**



- **Dynamo Gramme - 1880**



- **Industrial Dynamo - 1895**



- **Dynamo / Alternator - 1905**



- **Dynamo Domestic Energy - 1918**



- **3 Phase Induction Motor - 1929**



- **RF Generator Hickcok - 1942**



- **Telegraphic Printer - 1860** →
- **Telephone Gower Bell - 1882** →
- **Radio ULW - 1918** →
- **Radio Aeriola Sr - 1922** →
- **Radio Breadboard - 1924** →
- **Loweve Radio - 1926** →



- **Hitler Radio VE -301 - 1931 →**
- **Regency TR1 - 1954**
- **Loweve Opta - 1957**
- **Philco Safari 1959**
- **Sony 8-301w - 1960**
- **JVC Videosphere - 1970 →**
- **Citizen T530 - 1992**



• Edison Gem – 1906 →



• Columbia Gramophone - 1920 →



• Tefifon - 1940 →



• Brush Tape Recorder - 1947 →



• Minifon Spy Recorder - 1951 →



• Nagra III Prof. Recorder – 1957 →



MJ na Expo
Museu das
Comunicações 2021

• Quad II Amp. - 1954



• Telefunken TW561 - 1957



• Quad ESL 57 Electrostatic - 1957



• Akai 7 Tape Recorder - 1962



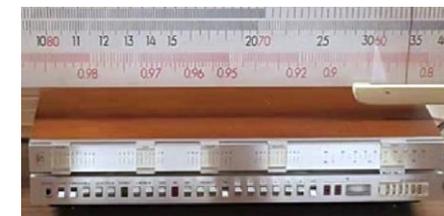
• Rock-Ola Juke Box - 1975



• Nagra Spy Recorder - 1969



• B&O Master 3000 - 1985



Augmented Reality



Faraday News



Podcasts (17)

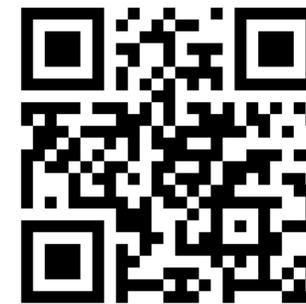


AI ChatBots



SERVER 1

SERVER 2



ÁguiaGPT
Escolha o seu assistente interativo

 Cegonha Especialista em ISTSat-1 e Tecnologia Espacial Online	 Papagaio Especialista em telefones antigos e história da telefonia portuguesa Online	 Colibri Especialista em movimento de electrões em vácuo, sólidos, líquidos e gases Online	 Pica-Pau Especialista em telegrafia e história das comunicações telegráficas Online
 Mocho Especialista em audio, fotografia, video e cinema Online	 Hércules Especialista em energia e tecnologias associadas Online	 Elefante Especialista em gravar e recordar acontecimentos Online	



Room Edison



Room Marconi



Room Newton



MF
11 Rooms
10 Viewable Rooms



Visit Final-Eletro 91



[Video Opening M F 2017](#)

[Video EXPO 100 Anos da Rádio 2018](#)



[Video Expo 2019](#)

[Video Natal 2021](#)



Natal 2023



[Video Visit Eng . Eletro 1978](#)





21/2/2024
Video Visit CSCM



- Restoring Objects, ex. Graphoscope - 1880

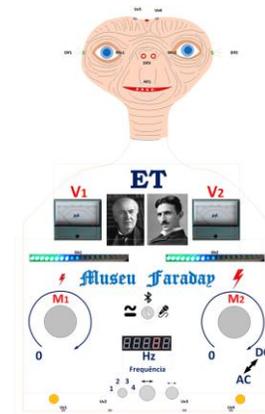
- AI - ET

- AI - Cegonha & Garça "Stork and Heron"

- AI - ISTSat-1 Tower

- AI - Domestic Energy - 1920

- More ... TBD



- **Address:**

- Instituto Superior Técnico, Torre Norte, Av. Rovisco Pais 1, 1049-001 Lisboa, Portugal
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- **Museum Files:**

- <https://museufaraday.ist.utl.pt/>

- **Contacts:**

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MAP
MF

