

The electric motor in Portugal: technological progress and industrialization

Ana Cardoso de MATOS¹, Maria da Luz SAMPAIO²

(1) CIDEHUS - University of Évora - Évora, Portugal

anacmatos@mail.telepac.pt

(2) CIDEHUS - University of Évora - Évora, Portugal / IHC - Faculdade de Ciências Sociais e Humanas - Universidade Nova de Lisboa

mluzsampaio@gmail.com

Abstract¹

The introduction of the electric motor in Portugal is due to foreigner companies such as Siemens, AEG, ASEA, ACEC. They were important levers to move the electrical sector, the electricity network, and the technological progress. Portugal only started the manufacture electric motors in large quantities in 1946 when ACEC, EFA and CUF united to set up to develop a business project and the introduction of the electric motor in Portugal has common aspects with others European countries.

In this paper we add different views and through the analysis of photograph we describe the entry of the electric motor into the factory and the impact of electrical motor in the manufacturing space, which allowed, not only, to rationalize the flows between the machine but also and operating a new circuit between the different machines or operations.

Keywords: motor, factory, electricity, technological progress

¹ This paper is written in the context of the project CIDEHUS - UID/HIS/00057/2013 (POCI-

01-0145-FEDER-007702)"