

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**CONSTRUCTION AND ANALYSIS OF
AC TO DC ACTIVE LINE SHAPING**

E.1339

CONSTANTINOU PETROS

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ACTIVE LINE SHAPING

BY

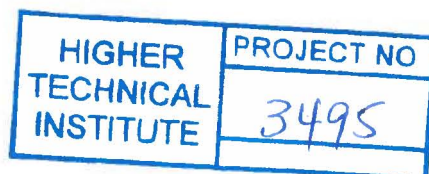
CONSTANTINOU PETROS A.

SUPERVISOR: Dr.C.C. MAROUCHOS

**Electrical department
Higher Technical Institute
Nicosia, Cyprus**

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SUMMARY

The objective of this project was to observe the conversion of Current Shaping. It's possible to be sinusoidal and in phase with the input voltage.

Also in this project we will analyze the types and sources of Power Line Disturbances.

Moreover, Chapter 3 and Chapter 4 covers the need for Improved Single Phase Utility Interface and Power Factor Correction.

Furthermore, in Chapter 6 we will analyze the Design of the Active Line Shaping.

Finally, in Chapter 7 and 8 the theoretical results are given including appropriate circuits.