

# NATIONAL POWER COMPANY OF ICELAND (LANDSVIRKJUN)

SANDSKEID, HAMRANES AND GEITHALS  
REYKJAVIK, ICELAND  
GUNNLAUGUR NIELSEN

COMPLETION DATE: AUGUST 1997

## PROJECT DESCRIPTION

ECI provided design services to GE Transmission Systems for the Sandskeid, Hamranes and Geithals Capacitor project. ECI provided civil and electrical engineering for design of bus, structures, and foundation review. ECI also prepared construction specifications. Project drawings and calculations were prepared in SI (metric system).



## KEY FACTS & HIGHLIGHTS

- ◆ **132 kV, 20 MVAR SHUNT CAPACITOR BANK**
- ◆ **132 kV, 30 MVA SHUNT CAPACITOR BANK**
- ◆ **220 kV SERIES CAPACITOR**
- ◆ **DETAILED DRAWINGS OF SERIES CAPACITOR BANK PLATFORM**
- ◆ **145 MPH WIND LOAD**
- ◆ **REVIEW OF FOUNDATION DESIGN BY ICELAND CONSULTANT.**



◆ *Engineering With Distinction* ◆