# **Uprating and refurbishing hydro powerplants - IV**

Florence, Italy 13-15 December 1993



# STUDIES FOR THE SOLUTION FOR THE REMEDIATION OF PERUĆA DAM, CROATIA

presented by

The Croatian National Comittee on Large Dams, Croatia

## STUDIES FOR THE SOLUTION FOR THE REMEDIATION OF PERUĆA DAM, CROATIA

Dr. Josip Rupčić, M.Sc.C.E.

Lead Engineer - Expert

Elektroprojekt Ltd. Zagreb

Associate Professor,

Faculty of Civil Engineering, University of Zagreb

Zvonimir Sever, M.Sc.C.E.

Lead Engineer Elektroprojekt Ltd. Zagreb

Sponsored by

#### **CROATIAN NATIONAL ELECTRICITY**



### elektroprojekt

Consulting Engineers Ltd.



November, 1993 ZAGREB CROATIA

## CONTENTS

- 1 AN OVERVIEW OF THE PERUĆA RESERVOIR AND ITS STRUCTURES
- 11 THE PERUĆA DAM DAMAGE AFTER EXPLOSION
- 15 INVESTIGATION WORKS AND MONITORING DAM BEHAVIOR AFTER EXPLOSION
- 23 STUDY FOR THE REMEDIATION OF PERUĆA DAM
- 39 DESIGN FOR THE REMEDIATION OF THE GROUTING GALLERY IN THE PERUĆA DAM
- 51 REVIEW OF CONSTRUCTION WORKS ON REMEDIATION OF THE GROUTING GALLERY IN THE PERUĆA DAM FOR THE PERIOD FROM 1st AUGUST TO 15th NOVEMBER 1993
- 61 REFERENCES