

OMAI GOLD

PROCESSING PLANT UPGRADE

GEORGETOWN, GUYANA, SOUTH AMERICA

COMPLETION DATE: APRIL 1996

PROJECT DESCRIPTION

ECI provided design services in conjunction with Unifield Engineers for expansion of the OHMI Gold Processing and Leach Facilities in Guyana, South America. OMAI Gold had recently experienced breach of a settling pond structure, resulting in a large release of cyanide into the river system in Guyana. The ecological effects of this event resulted in considerable pressure to upgrade and modernize the facilities as a safeguard to the recurrence of such events, and reduce the potential exposure to residence in the area.

ECI provided medium voltage electrical designs associated with the process facilities for the processing plant and ponds at this facility. Work included medium-volting switchgear, motor control, electrical conduit and cable sizing for service, primary service entrance equipment, and instrumentation & controls associated with the process facilities.



KEY FACTS & HIGHLIGHTS

- ◆ **MEDIUM VOLTAGE MOTOR CONTROL AND SWITCHGEAR**
- ◆ **PLC BASED SYSTEM I/O DESIGN**
- ◆ **OVERALL PROCESSING PLANT EXPANSION ELECTRICAL DESIGN**
- ◆ **DESIGN ASSISTED TO MATERIALS AVAILABILITY AND JUNGLE ENVIRONMENT**

◆ *Engineering With Distinction* ◆

Project Experience Resume

