

CLIENT CASE STUDY

CLIENT: SOLAR TURBINES/CHEVRON
APPLICATION: MAINTENANCE MANAGEMENT SYSTEM
DATE: 2011 - Present

INTRODUCTION

Solar Turbines is a world leader in Designing, Manufacturing and Servicing Industrial Gas Turbine Power System Solutions for the Oil & Gas and Power Generation Industries. IEB Software developed a Maintenance Management System (MMS) for Solar Turbines to operate on Chevron oil and gas platforms in Angola.

CLIENT REQUIREMENTS

Solar Turbines had no way of managing, storing and analysing data related to the maintenance of the turbines used to provide power to the Chevron oil and gas platforms. Other issues they faced included:

- There was difficulty in calculating the human resources required for each maintenance job.
- No method of tracking spare parts used and subsequently missing reorder levels
- There was no uniform task lists or procedures for maintenance work

SOLUTION

IEB Software worked closely with Solar Turbines to create a system that gave system administrators full control over all turbine related data, ensuring the system allows for additions and amendments as requirements change. The core functionality includes:

- Manager overview of all turbines status, upcoming maintenance and detailed service history
- Detailed task lists are generated for scheduled maintenance work
- Data is collated and analysed, with a full suite of detailed reports to identify common faults and trends in performance
- A Parts module tracks all components from request to installation
- A Time tracking module captures and analyses the human resources required for each job

TESTIMONIAL

"After consultation with several other development companies, IEB Software were selected by Solar Turbines for their combination of technical expertise, track record, responsiveness and flexibility"

"The MMS is initially running on oil and gas platforms in Angola where Solar Turbines provide power for Chevron. Subsequent roll outs to other Solar Turbines and Chevron platforms are planned for the future."

JOE MCDERMOTT, SENIOR PROJECT
MANAGER