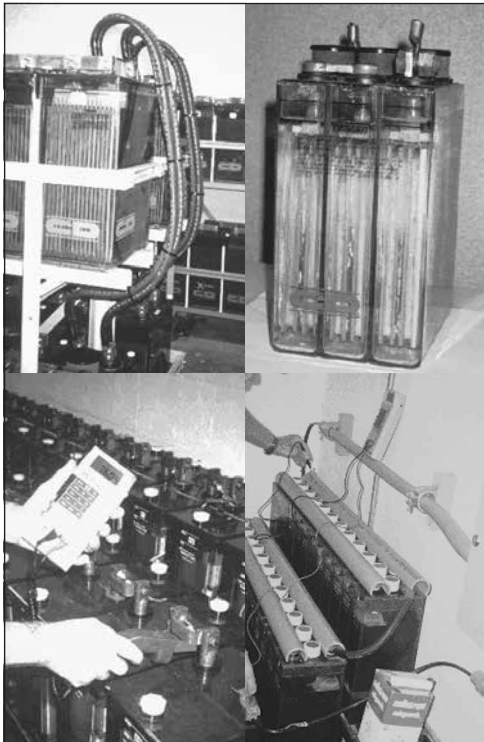

PRACTICAL MAINTENANCE & TROUBLESHOOTING OF BATTERY POWER SUPPLIES



THE WORKSHOP:

This workshop provides you and your personnel with the knowledge and information required to perform their duties competently and safely in working with lead acid batteries. This workshop will encompass basic battery theory, types of batteries, installation, testing and maintenance.

WHO SHOULD ATTEND:

- Maintenance Personnel
- Supervisors
- Electrical and Instrumentation Technicians
- Health and safety personnel
- Purchasing personnel
- Maintenance and Plant engineers

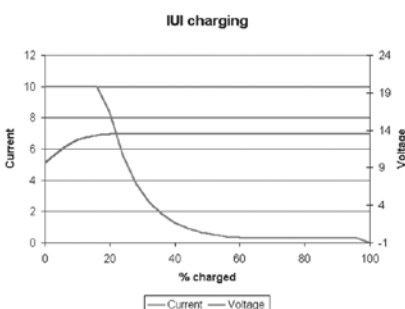
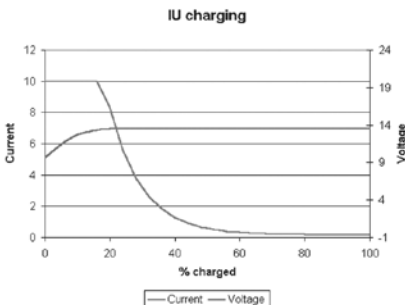
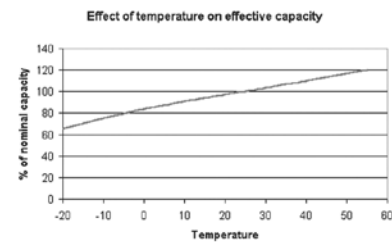
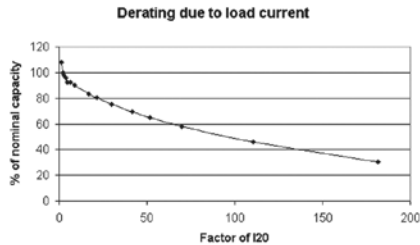


Technology Training that Works

Practical Sessions

This is a practical, hands on workshop enabling you to work through practical exercises which reinforce the concepts discussed.

To gain full value from this workshop, please bring your laptop/notebook computer.



The Program

INTRODUCTION

- Objectives of the course
- Basic Technical Concepts

HEALTH AND SAFETY ISSUES

- National and International Standards (eg BS 6133:1995)
- Regulations and Law

BASIC BATTERY THEORY

- How a battery works
- Battery Construction
- Manufacturing processes
- Failure Modes
- Terminology and design

TYPES OF BATTERIES

- Regulated Lead Acid
- Vented Lead Acid
- Nickel Cadmium
- Battery Ratings

BATTERY INSTALLATION

- New battery installation
- Receiving new battery shipments
- Working practices in compliance with BS 6133 and AS/NZ standards

INITIAL AND FLOAT CHARGING

- Different charging methods
- Correct Methods
- Importance of correct Float Voltages

ROUTINE TESTING PROCEDURES

- External Load Banks
- Other specialised test equipment

GENERAL MAINTENANCE AND REPORT DATA

- Maintenance to ensure long life and reliability
- Instruments: What is available and how to use them
- Routine care, maintenance and servicing
- Changing procedures
- Handling equipment
- Safety
- Inspection
- Data Interpretation
- Causes of Battery Failure
- Storage of batteries

DIAGNOSIS OF BATTERY CONDITION

- Recognising problems at an early stage
- Rectifying problems to ensure long life

BATTERY MONITORING SYSTEMS

- Float Voltage, charge and discharge currents
- Temperatures

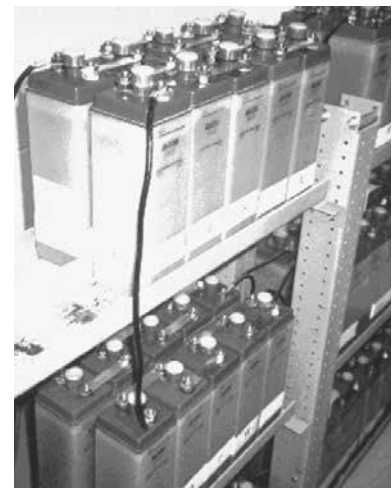
DATA LOGGING AND INTERPRETATION

- Recording
- Interpreting test data

BATTERY PERFORMANCE PREDICTION

- Estimation and prediction of battery and life expectancy
- "Time to run"

SUMMARY, OPEN FORUM AND CLOSING



On-Site Training

- ✓ SAVE over 50% by having an IDC workshop presented at your premises.
- ✓ Customise the training to YOUR workplace.
- ✓ Have the training delivered when and where you need it.

Contact us for a FREE proposal.