



Liability limited by a scheme approved under Professional Standards Legislation

MAURICE PHILLIP SWARTS

CHARTERED PROFESSIONAL ENGINEER – CPEng and NPER - #150800
REGISTERED IN ELECTRICAL & MECHANICAL ENGINEERING
REGISTERED NATIONAL FORENSIC INVESTIGATOR - #F990003
GRADUATED 1953 - NSW UNIV OF TECHNOLOGY [later UNSW]
POST GRADUATE COURSE 1953/54 - NSWUT
INDUSTRIAL MANAGEMENT COURSE 1953.- STC

FELLOW - THE INSTITUTION OF ENGINEERS AUSTRALIA – JOINED 1962
FELLOW - NATIONAL INSTITUTE OF FORENSIC INVESTIGATORS – JOINED 1999
MEMBER - ASSOCIATION OF CONSULTING ENGINEERS AUSTRALIA – 1968/1999
MEMBER – CIRCEA - COLLEGE OF INVESTIGATIVE & REMEDIAL CONSULTING ENGINEERS AUSTRALIA INC. – JOINED 1986
MEMBER - THE INSTITUTE OF ARBITRATORS & MEDIATORS AUSTRALIA-1983/2000
MEMBER - THE AUSTRALIAN INSTITUTE OF REFRIGERATION AIR CONDITIONING & HEATING – 1982/2006

INVESTIGATIVE, FORENSIC & REMEDIAL ENGINEERING CONSULTANCY
PRIVATE PRACTICE 53 YEARS SINCE AUGUST 1963
INDUSTRIAL & CONSTRUCTION DESIGN
MANAGEMENT & CONTRACTING EXPERIENCE
FORENSIC INVESTIGATIONS, REPORTS, ADVICES & OPINIONS FOR ENGINEERING AND BUILDING SERVICES,
INDUSTRIAL ACCIDENTS, AIRCON & VENTILATION SYSTEMS & EQUIPMENT FAILURES & ALL LITIGATION MATTERS –
EVIDENCE GIVEN AS INDEPENDENT EXPERT WITNESS TO ALL JURISDICTIONS IN NSW – CONSULTING SERVICES IN
DESIGN, SPECIFICATION, INSPECTION & SUPERVISION OF COMMERCIAL, INDUSTRIAL, RESIDENTIAL,
AIR CONDITIONING, MECHANICAL, ELECTRICAL & FIRE SYSTEMS INCLUDING BUDGETING AND COST ESTIMATES.

PAST PRESIDENT BUILDING & CONSTRUCTION COUNCIL OF NSW
PAST CHAIRMAN THE MECHANICAL/ELECTRICAL BRANCH OF ACEA (NSW)
PAST BOARD MEMBER ASSOCN OF CONSULTING ENGINEERS AUSTRALIA
FOUNDING PRESIDENT & PAST CHAIRMAN & CURRENT MEMBER OF THE BOARD -
CIRCEA - COLLEGE OF INVESTIGATIVE & REMEDIAL CONSULTING ENGINEERS OF AUSTRALIA INC.
CHAIRMAN OF BOARD NIFI - NATIONAL INSTITUTE OF FORENSIC INVESTIGATORS
COMMITTEE MEMBER AUSTRALIAN STANDARDS -
(A)COMPETENCY STANDARDS FOR ENGINEERS
(B)STANDARDS ME/5 CRANES & HOISTS, PAST OB/3 CONTRACTS
CONVENOR CIRCEA COMMITTEES OF ETHICS, RULES

Written and presented a number of papers on Air-conditioning, Electrical, and Forensic Investigation Procedures.

The industrial experience of MP SWARTS varies from Machine Tool Design, the Management of an Industrial Gas Complex, Service Manager of Boiler Fabrication Organisation, and Project Engineer and Area Supervisor for a large Design & Construct Engineering Organisation.

The present consulting practice was established in 1963 and a summary of more recent projects reveals that 50% of investigative and litigation work has been Mechanical, 40% Electrical, and 10% General Building / Stormwater and the like. Design work follows a similar pattern with additional input into assistance to manufacturers.

Investigation of electrical services in residential & multi-storey buildings, and of fires in major buildings.

Extensive work on electric/battery operated industrial trucks, battery failures resulting in vehicle fires.

Special Investigatory work relating to the reconstruction of fatal, grievous bodily harm, and extensive damage matters, has been a particular aspect of the practice.

Investigations and checking into the operation and failures of mobile cranes, shipping gantry cranes, industrial cranes, building maintenance units, mobile earth moving equipment, and passenger lifts are carried out by the practice. Investigations into the failure of heavy mining equipment have been handled. The quality performance of air-conditioning plants and electrical services in residential & multi-storey office buildings, are handled in the practice.

MP SWARTS has acted as an arbitrator/mediator/dispute conciliator either directly selected by the parties and/or referred by the court. Examples: Joint court conciliator in an Air-conditioning /Builder Contract dispute; arbitrator in a Refrigeration Plant/supply and install Contract dispute; mediator in a Mobile Crane Purchase/Contract dispute; and other matters relating to Pipe Fabrication, Air Conditioning Equipment, Production Plant Failures to meet Specification, Building Services to Residential & Multi Storey Buildings etc etc.

The expertise of MP SWARTS has been used by many Legal Firms and Insurance Companies and Loss Assessors in resolving matters arising out of plant & equipment failures, collapse of plant, fire investigations, and specialised equipment repair and restoration, including explosions in timber production plants, remedial fire restorations etc.