



Technology Training that Works

## EBOOK LIST

<b>Chemical Engineering</b>		
	<b>Code</b>	<b>Category</b>
Practical Fundamentals of Chemical Engineering	CE	A
Handling Chemicals and Chemical Processes - Tips, Tricks and Tools	CH	A

<b>Civil Engineering</b>		
Designing, Specifying and Constructing with Modern Concrete	CT	A
Hazardous Waste Management and Pollution Prevention	HW	A
Structural Design for non-structural Engineers	SD	A
Best Practice in Sewage and Effluent Treatment Technologies	SE	A
Transportation Planning and Management	TN	B

<b>Data Communications &amp; Networking</b>		
Setting Up, Understanding and Troubleshooting of Industrial Ethernet and Automation Networks	AN	B
Advanced TCP/IP-based Industrial Networking for Engineers and Technicians	AV	B
Best Practice in Industrial Data Communications	BP	A
Practical Data Communications & Networking for Engineers and Technicians	DC	A
Practical DNP3 & Modern SCADA Systems	DN	A
Hands-on Data Communications, Networking and TCP/IP Troubleshooting	DT	A
Practical Troubleshooting & Problem Solving of Ethernet Networks	ET	A
Practical Fieldbus, DeviceNet and Ethernet for Industry	FE	A
Practical Use and Understanding of Foundation FieldBus for Engineers and Technicians	FF	A
Practical Fibre Optics for Engineers and Technicians	FO	A
Practical Fibre Optics and Interfacing Techniques to Industrial Ethernet and Wireless	FX	A
Data Communications, Networking and Protocols for Industry - Back to Basics	IC	B
Practical Troubleshooting & Problem Solving of Industrial Data Communications	ID	A
Practical Industrial Networking for Engineers & Technicians	IN	A
Troubleshooting Industrial Ethernet & TCP/IP Networks	IT	A
Practical Troubleshooting and Problem Solving of Modbus Protocols	MB	A
Practical Radio Telemetry Systems for industry	RM	A
Practical Routers & Switches (including TCP/IP and Ethernet) for Engineers & Technicians	RS	A
Practical TCP/IP and Ethernet Networking for Industry	TC	A
Practical Fundamentals of Telecommunications and Wireless Communications	TE	A
Practical Troubleshooting of TCP/IP Networks	TT	B
Practical Fundamentals of Voice over IP (VoIP) for Engineers and Technicians	VO	B
Practical Industrial Wireless for Engineers and Technicians	WC	B
Practical Wireless, Ethernet and TCP/IP Networking	WE	A
WiMax- The Essentials for Engineers and Technicians	WX	B

<b>Electrical</b>		
Practical Arc Flash Protection for Electrical Safety Professionals	AF	B
South African Standard SANS 10142- The Wiring of Premises	AS	B
Practical Electrical Wiring Standards - AS 3000:2007	AW	A
Practical Maintenance & Troubleshooting of Battery Power Supplies	BT	B
Standby Power and Energy Efficiency	BY	A
Safe Operation & Maintenance of Circuit Breakers and Switchgear	CB	B
Practical HV Cable Jointing and Terminations for Engineers and Technicians	CJ	A
Critical Power Supply Options and Planning of High Availability Supplies	CV	B
Operation and Maintenance of Diesel Power Generating Plants	DG	A
Emergency Power Supplies Electrical Distribution Design, Installation and Commissioning	EA	B
Troubleshooting, Maintenance & Protection of AC Electrical Motors and Drives	ED	A
Practical Energy Efficiency, Design, Engineering and Auditing	EE	B
Practical Electrical Safety Techniques for Industry	EF	A
Inspection, Testing and Commissioning of Electrical Switchboards, Circuit Breakers, Protective Relays, Cables and PLCs	EK	A
Practical Troubleshooting of Electrical Equipment and Control Circuits	EL	A
Practical Earthing, Bonding, Lightning & Surge Protection	ER	A
Practical Distribution & Substation Automation (incl. Communications) for Electrical Power Systems	EU	A
Practical Electrical Substation Safety	EV	A
Electrical Drawings and Schematics	EW	A

Fundamentals of Power Distribution and Power Systems – Hands-on Practical Analysis and Design	FP	B
HV Circuit Breaker Operating Mechanisms - Hydraulic Systems	HH	A
High Voltage Design and Installations Master Class	HI	B
Practical HV and LV Switching Operations and Safety Rules	HL	A
HV Circuit Breaker Operating Mechanisms - Pneumatic and Compressor Systems	HP	A
High Voltage Safety Operating Procedures for Engineers and Technicians	HV	B
Practical Electrical Wiring Standards - National Rules for Electrical Installations - ET 101:2008	IW	A
Lightning, Surge Protection and Earthing of Electrical & Electronic Systems in Industrial Networks	LZ	A
Fundamentals of Smart Metering	MF	A
Practical Electrical Metering, Measurement and Instrument Transformers	MI	A
Practical Motor Protection, Control and Maintenance Technologies	MP	A
Practical Power Cabling and Earthing	OW	A
Practical Power Distribution	PD	A
Practical Power System Harmonics, Earthing and Power Quality - Problems and Solutions	PH	A
Power Cables: Operation, Maintenance, Location and Fault Detection	PO	B
Practical Power Quality: Problems & Solutions	PQ	A
Practical Power System Protection for Engineers and Technicians	PS	A
Electrical Maintenance for Engineers and Technicians	RC	A
Wind & Solar Power - Renewable Energy Technologies	RE	B
Installing, Programming and Commissioning of Power System Protection Relays and Hardware	RH	B
Switchgear and Distribution Systems	SW	B
Practical Power Transformers: Operation, Maintenance & Testing	TF	A
Installation, Testing and Troubleshooting of Transformers	TG	B
Practical Medium & High Voltage Testing of Electrical Equipment for Engineers and Technicians	TH	A
Understanding Electrical Engineering and Safety for non-electricians	UE	A
Maintenance and Troubleshooting of Uninterruptible Power Supply (UPS) Systems & Batteries	UP	A
Earthing of Utility and Industrial Distribution Systems	US	A
Medium Voltage AC Motors for the Power Industry- Principles, Installation, Maintenance and Troubleshooting	VM	A
Practical Variable Speed Drives for Instrumentation and Control Systems	VS	A
Practical Electrical Wiring Standards - IEE BS7671:2008+A1:2011 Edition	WR	B

### Electronics

Practical Digital Signal Processing for Engineers and Technicians	DS	A
Practical Embedded Controllers: Troubleshooting and Design	EB	B
Practical Troubleshooting of Electronic Circuits for Engineers and Technicians	EI	A
Practical Industrial Electronics for Engineers and Technicians	IE	B
Power Electronics and Switch Mode Power Supply	PE	A
Practical Shielding, EMC/EMI, Noise Reduction, Earthing and Circuit Board Layout	SG	A

### Information Technology

Industrial Network Security for SCADA, Automation, Process Control and PLC Systems	NS	A
SNMP Network Management: The Essentials	SN	B

### Instrumentation, Automation & Process Control

Programmable Logic Controllers (PLCs) and SCADA Systems	AD	A
Practical Analytical Instrumentation in On-Line Applications	AI	B
Practical Advanced Process Control for Engineers and Technicians	AP	B
Practical Alarm Management for Engineers and Technicians	AT	A
Practical Programmable Logic Controller's (PLCs) for Automation and Process Control	AU	A
Practical Batch Management & Control (Including S88) for Industry	BA	A
Practical Boiler Control and Instrumentation for Engineers and Technicians	BI	A
Fundamentals of Practical Building Automation Systems	BS	A
Installation, Calibration and Maintenance of Electronic Instruments	CD	A
Practical Distributed Control Systems (DCS) for Engineers & Technicians	DD	A
Practical Data Acquisition using Personal Computers and Standalone Systems	DQ	A
Best Practice in Process, Electrical & Instrumentation Drawings and Documentation	DR	B
Practical Troubleshooting of Data Acquisition & SCADA Systems	DX	A
Introduction to the Selection, Installation, Commissioning and Maintenance of Fiscal Flow and Metering Equipment	FA	B
Design of Industrial Automation Functional Specifications for PLCs, DCSs and SCADA systems	FC	A
Practical Industrial Flow Measurement for Engineers and Technicians	FL	B
Practical Hazops, Trips and Alarms	HO	A
Practical Hazops for Engineers and Technicians	HT	B
Practical Hazardous Areas for Engineers and Technicians	HZ	A
Fundamentals of Industrial Automation	IB	A
Practical Instrumentation for Automation and Process Control	IP	A
Practical Intrinsic Safety for Engineers and Technicians	IS	A
Practical Drives, Motors and PLCs for Engineers and Technicians	LC	A
Practical Tuning of Industrial Control Loops	LT	A

Practical Motion Control for Engineers and Technicians	MC	A
Practical Machine Vision Applications in Industry	MV	A
Measurement and Control for Non-Instrument Personnel	NI	B
Practical Fundamentals of OPC	OP	A
Practical Process Control for Engineers and Technicians	PC	A
Practical Process Control & Tuning of Industrial Control Loops	PL	A
Practical Industrial Programming using 61131-3 for PLCs	PR	A
RFID Tagging - Features and Applications	RF	A
Practical SCADA & Telemetry Systems for Industry	SC	A
Practical Industrial Safety, Risk Assessment and Shutdown Systems for Industry	SI	B
Practical Troubleshooting and Problem Solving of PLCs and SCADA Systems	SK	A
Practical Fundamentals of E-Manufacturing, MES and Supply Chain Management	SO	A
Fundamentals of Instrumentation, Process Control, PLCs and SCADA for Plant Operators and Other Non-Instrument Personnel	SQ	A
Practical Safety Instrumentation & Emergency Shutdown Systems for Process Industries	SS	A
Practical SCADA Systems for Industry	SX	A
Practical IEC 61850 for Substation Automation for Engineers and Technicians	SZ	A
Practical Troubleshooting of Instrumentation, Electrical and Process Control	TI	A
Practical Control Valve Sizing, Selection and Maintenance	VL	B

### Mechanical Engineering

Practical Fundamentals of Heating, Ventilation & Airconditioning (HVAC)	AC	A
Practical Boiler Plant Operation and Management for Engineers and Technicians	BL	A
Best Practice Design, Maintenance and Troubleshooting of Conveyors and Chutes	CC	A
Practical Pumps and Compressors: Control, Operation, Maintenance & Troubleshooting	CM (+PP)	A
Practical Process Compressors	CO	A
Practical Cleanroom Technology and Facilities for Engineers and Technicians	CR	B
Practical Operation and Maintenance of Industrial Fans and Blowers	FN	B
Gas Turbines: Fundamentals, Maintenance & Troubleshooting	GT	A
Rigid and Flexible Hose Connections	HS	B
Practical Hydraulic & Pneumatic Systems: Operations and Troubleshooting	HY	A
Practical Lubrication Engineering for Engineers and Technicians	LB	B
Practical Safe Lifting Practice and Maintenance	LF	B
Practical Mechanical Drives (Belts, Chains and Gears) for Engineers & Technicians	MD	A
Fundamentals of Mechanical Engineering	ME	A
Practical Balancing, Alignment and Condition Monitoring of Rotating Equipment	MM	A
Mechanical Design Concepts for Non-Mechanical Engineers	MW	A
Practical Corrosion Management	MY	B
Pipeline Systems - Design, Construction, Maintenance and Asset Management	PA	B
Practical Fundamentals of Pneumatics: Operation and Troubleshooting for Engineers & Technicians	PN	B
Practical Pumps: Design, Operation and Maintenance for Centrifugal and Positive Displacement Pumps	PP	A
Fundamentals of Process Plant Layout and Piping Design	PT	B
Performance Monitoring of Pumps and Compressors	PU	A
Fundamentals of Pipe Stress Analysis with Introduction to CAESAR II	SA	B
Practical Machinery and Automation Safety for Industry	SF	A
Practical Mechanical Sealing with Rotary, Pneumatic and Hydraulic Seal Types plus Gaskets	SR	A
Reliability Centered Maintenance	TY	B
Practical Machinery Vibration Analysis and Predictive Maintenance	VB	A

### Project and Financial Management

The Practical Business Engineer	BE	B
Practical Financial Fundamentals and Project Investment Decision Making	FM	A
From Engineer to Leader	LA	B
Leading Your Engineering Team to Top Performance	LE	A
Marketing for Engineers and Technical Personnel	MK	A
People Management Skills for Technical Professionals	PJ	A
Practical Project Management for Engineers and Technicians	PM	A
Practical Shutdown & Turnaround Management for Engineers and Managers	SH	B
Train the Trainer - Presentation and Instructing Skills for Engineers and Technical Professionals	TR	A
Practical Specification and Technical Writing for Engineers & Other Technical People	TW	A