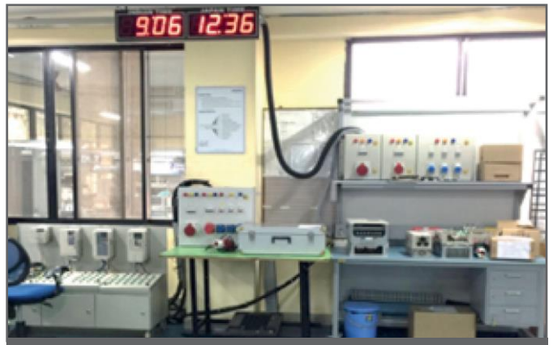
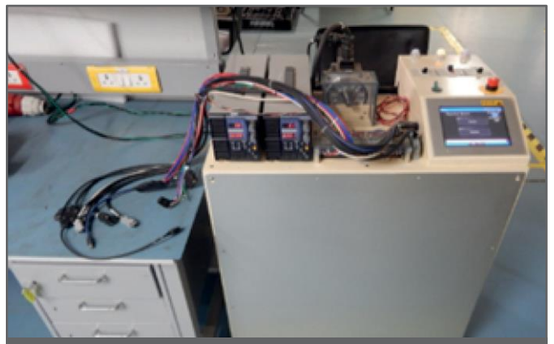
In House Testing & Training Facility

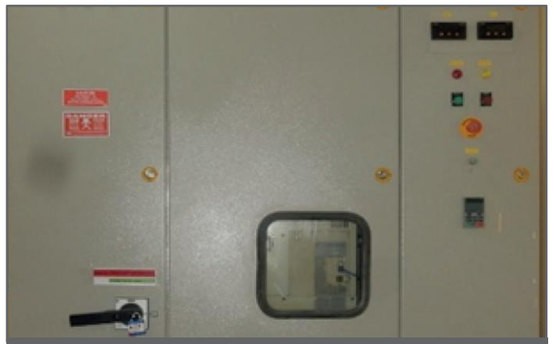
Application Center Setup



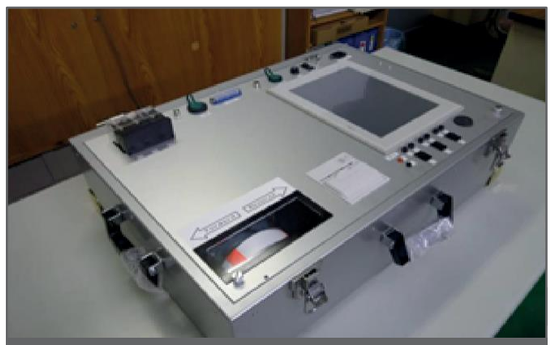
Repair Facility



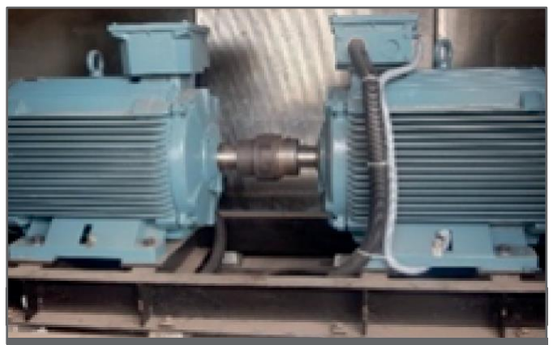
Servo Testing Unit



Drive Loading Facility-75kw



Drive testing unit



Motor Test Bench

For more details contact:
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YASKAWA

TRAINING CALENDAR

Course Code and Name	YIND-DM-TN-001: Basics of AC Drives	YIND-DM-TN-002: Sales & Marketing	YIND-DM-TN-003: Applications – Crane, Elevators, Winders & Solar Pump		YIND-DM-TN-004: Product Training (AC Drives)	YIND-DM-TN-007: Service & Maintenance	YIND-DM-TN-010: Product Training (Servo Pack & MP Controller
Details of the Course	• Basics of AC drive • Topology and Inverter operation • Types of loads • Benefits and Energy savings • Harmonics and mitigation techniques • VFD Control methods • Applications of VFD in Industries • Programming features • Deration with temperature • Drive monitoring and programming using Drive wizard plus (DWP)	• Product overview • SWOT analysis • Industries and challenges • Selling tips • Negotiation skills • Winning attitude • Product positioning • Industries versus vertical's • Tender specifications • Sizing and selections	• Derivations of Electric Power for Crane & Elevator • Crane & Elevator VFD Sizing and selection • DBR Sizing and Regenerative Power calculations • Troubleshooting on Anti Roll and Levelling issues • Safety measures and Precautions • Types of winders and its applications • Load cell and scaling • PID and Tuning method • Affinity law for Pump and Fan • Types MPPT algorithm • Solar panel sizing and selection • Commissioning procedures		• Products are A1000, V1000, J1000, G7, U1000, D1000, R1000 • Pre-commissioning checklist & Startup procedure • Detailed training on the Features & its parametrization • Auto tuning • Hands on Each product & Exercise on Parameters • Calculation of regenerative power, • Harmonic analysis • Drive Configuration • Payback period and calculation (ROI) • Programming using DWEZ	• How to service the Drive • Operational Maintenance • Product configuration & Safety points • Keypad and its operation • Drive health check list • Troubleshooting of the faults • Hands-on the product • Grounding and its significant. • Deration with respect to temperature • Maintenance and trouble shooting	• Introduction of servo drive • Product overview • Introduction of sigma-7 series products • Selection procedure of servo • How to use sigma win+ software • Servo tuning • Introduction of MP controllers • MP controller & MPE720 start up • Maintenance and trouble shooting
Benefits of the Course	**Participants:** **Basic level (Sales & Service)** • This course helps in Understanding the basic principles and Fundamentals • Provides the fundamentals of operation for the drive and motor system • Programming drive for proper operation & develop troubleshooting skills • Improves competency level and enhance safety aspects • Understand the Difference between Industries/Vertical's and Applications • Learn to design the High Efficiency and Cost effective solution with Drives • Bridging the gap between theory learned in college & Practical approach in Industries	**Participants:** **Sales and Marketing team** • Build the confidence for Selling • Improves the Product knowledge & builds the confidence level on discussion with Customers • Access opportunities in Market sector • Understand on how to make a target Industries /Applications and along with Customers • Winning Altitude • Negotiation skills • Develop cost-effective sales profiles within new or existing markets	**Participants:** **Application & Service team** • Benefit from the theory and application of crane control, Elevator, Winder and solar pump • To learn regenerative and renewable energy, savings, dynamic braking principles • Understand Control systems and PID practical application • Understand Over damped, Under damped and steady state response of the system • learn the principles of photovoltaics and obtain the skills necessary to properly selecting and install drives in solar pump applications		**Participants:** **Applications & Service team** • Confidence Level on the YASKAWA Products • Understand on the features of the product will build up the strength on resolving practical technical challenges • Able to recommend a suitable product to the specific Application • Troubleshooting on technical challenges is easy with DWZ oscilloscope • Understand on the Power quality Analysis along with Harmonics	**Participants:** **Service Team** • Improve System reliability • Reduce to know the Turn on time for the resolution of the problem • Provides the best support to customer • Increase customer satisfaction • Boost uniqueness and individuality • Perform electrical inspections and preventive maintenance procedures	**Participants:** **Servo team (Sales & service)** • Understanding on the difference between the Servo system and VFD system • What is point to point positioning and its applications • Difference between Linear and circular Interpolations • Understanding the system design of MP controller along Servo Pack & Servo Motors