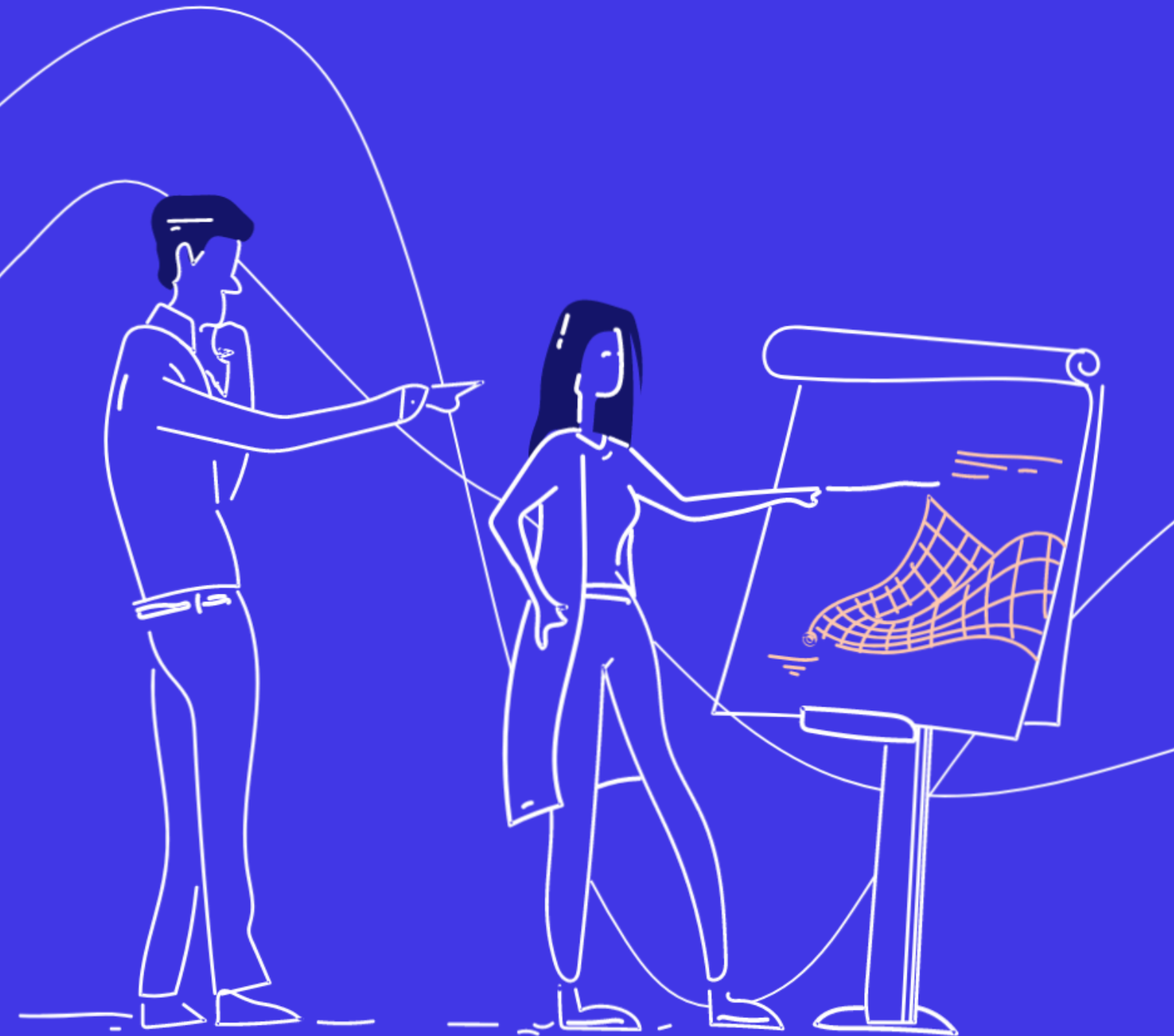




Energy Production Training Grid



SciEngineer's training courses are designed to help organizations and individuals close skills gaps, keep up-to-date with the industry-accepted best practices and achieve the greatest value from MathWorks® and COMSOL® Products.

	Application	Prerequisites	Core Curriculum				Add-On Topics		
MATLAB Platform	Image Processing and Deep Learning	MATLAB Fundamentals	Image Processing with MATLAB	Deep Learning with MATLAB					
	(Big) Data Analytics and Digitization		MATLAB for Data Processing and Visualization	Statistical Methods in MATLAB	Processing Big Data with MATLAB	Building Interactive Applications with MATLAB	MATLAB Programming Techniques	Object-Oriented Programming with MATLAB	
	Maintenance and Data-Driven Digital Twins	OR	Signal Preprocessing and Feature Extraction with MATLAB	Machine Learning with MATLAB					
	Price and Energy Forecasting				MATLAB Programming Techniques	Optimization Techniques in MATLAB			
	Energy Trading and Asset Management		MATLAB for Financial Applications	MATLAB for Data Processing and Visualization	Statistical Methods in MATLAB				Accelerating and Parallelizing MATLAB Code
Simulink Platform	Grid Compliance	<u>MATLAB Fundamentals</u>							
	Grid Planning / Optimization								
	Micro Grid Design and Energy Management System	AND	Modeling Physical Systems with Simscape	Modeling Electrical Power Systems with Simscape					
	Maintenance* and Simulation-Based Digital Twins				<u>Stateflow for Logic Driven System Modeling</u>			Simulink Model Management and Architecture	Optimization Techniques in MATLAB
	Grid Integration (Renewables/DERs)								
	Real-Time System Simulation (using PMU data)				Simulink for System and Algorithm Modeling		Real-Time Testing with Simulink Real-Time and Speedgoat Hardware		

The Value of an Experienced Training Expert

Our training courses are developed by MathWorks' team of training engineers with exclusive product knowledge gained from working closely with product developers. They acquire significant hands-on experience by using new products months before they are released and are always current on new capabilities.

Learn Relevant Skills

Each course contains a set of learning objectives designed to help participants quickly master necessary skills. Our hands-on approach allows participants to practice, apply, and evaluate their knowledge in the classroom.

Receive Expert Instruction

Our training employs industry-accepted best practices for adult learning and technical instruction, and has developed course content that facilitates a "Presentation, Practice, Test" approach to learning. All training engineers have been selected based on their theoretical knowledge, technical education, experience, and teaching ability.

Increase Team Success Rates

According to post-training surveys, teams who receive 40 hours of training meet project objectives three times as often as those who receive 30 hours or less. This increase in training time raises the likelihood of meeting objectives by 90%.



**Expand your
knowledge**

