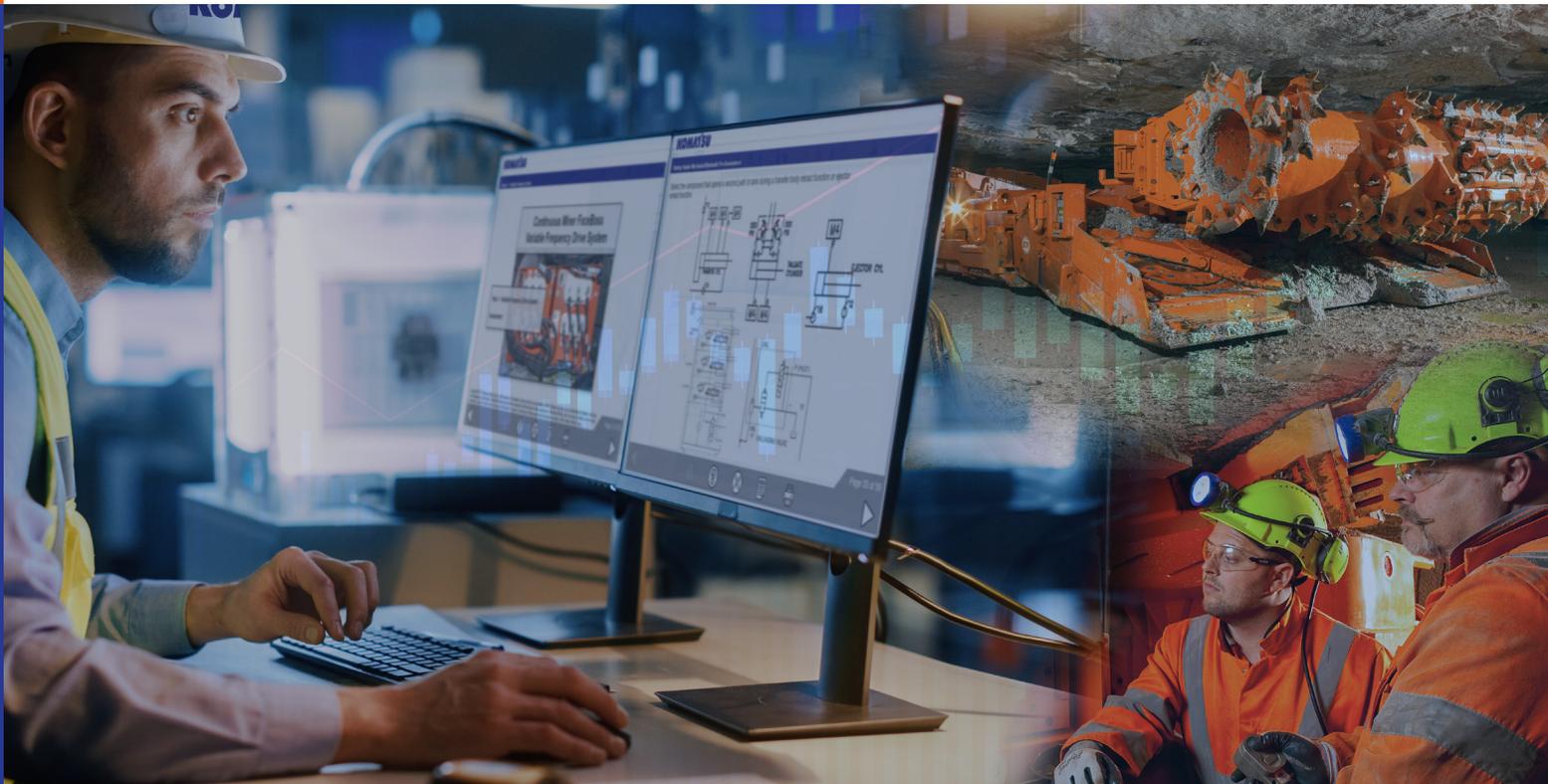


Underground machine online training



Economical, convenient, comprehensive workforce training

A highly trained and competent maintenance team can help you maximize production by keeping your Joy machines producing at high levels and minimizing downtime for maintenance and repairs. Imagine your team having access to online training 24/7 to get your new workers up to speed and deepen the knowledge of your veterans. Each worker would be trained at their own pace, as their schedule and responsibilities allow. You will also receive regular reports on how they're progressing and how well they know the material.

You can have this type of underground mining workforce development system with the Joy online training system from Komatsu. The interactive training modules cover fundamental knowledge of Joy machines' electric, hydraulic, mechanical and control systems. As workers progress through the program, they are assessed on their knowledge and the results made available to you.

A total training system, available 24/7

You want your training to be both effective and a good investment. We took the training program for our own respected technicians and adapted it for mining operations. It was further refined by research and testing with mining organizations around the world.

Benefits

Deepen your expertise

Beyond the core training programs, the system includes hydraulic and electric circuit animations, 360-degree virtual machine tours, how-to videos, and 3D mechanical removal and replacement animations.

Find and bridge knowledge gaps

As your team works through the system, your reports can reveal systems or procedures where more training is needed.

Maintain productivity

Because the program is available anywhere any time, you don't need to take workers or equipment out of service for training.

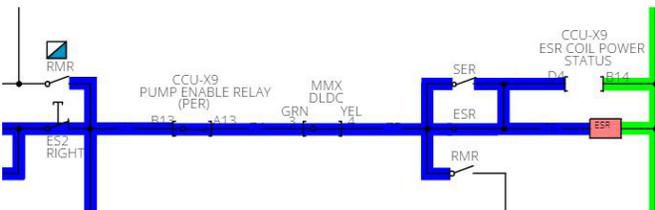
Just-in-time training/reference

You may need unexpected repairs on a system your team may not be experts in. The training modules and reference extras can help them get up to speed quickly.

Maximize value of in-person training

When your team has a solid base of knowledge, instructor-led training can focus more on troubleshooting techniques than fundamental training.

		Pre-Assessment	Post-Assessment
Electrical Components	Lesson 1 - Equipment Familiarization and Safety	100%	100%
	Lesson 10 - Control Switches	60%	100%
	Lesson 11 - Overloads, Filter Toroid, and Inductors	80%	100%
	Lesson 12 - FaceBoss 1 Central Control Unit	60%	100%
	Lesson 13 - FaceBoss 1 Microprocessor Current Transformer	60%	100%
	Lesson 14 - FaceBoss 1 Input/Output Module	50%	50%
	Lesson 15 - FaceBoss 1 Electric Module (MOD)	100%	100%
	Lesson 2 - Isolators and Circuit Breakers	75%	100%
	Lesson 3 - Supply Components	100%	100%
	Lesson 4 - FaceBoss 2 Central Control Unit	100%	100%
	Lesson 5 - FaceBoss 2 Microprocessor Current Transformer	33%	100%
	Lesson 6 - Vacuum Contactors	40%	100%
	Lesson 7 - Variable Frequency Drives	60%	100%
	Lesson 8 - FaceBoss 2 Input Output Module	60%	80%
	Lesson 9 - FaceBoss 2 MMX and BBM	25%	100%
Electrical Components Total		66%	97%



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Contact your Komatsu representative for more information and a demonstration — virtual or in person.



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