

Training tailored to your needs



Over **200** people trained since 2015

More than **2,500** training hours yearly

More than **50** experts worldwide

Fives' training centres:

Paris (France) — Bilbao (Spain) — Moscow (Russia) — Shanghai (China) — Chennai (India) — Wadsworth (USA)



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fives
Industry can do it

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PROCESS TECHNOLOGIES

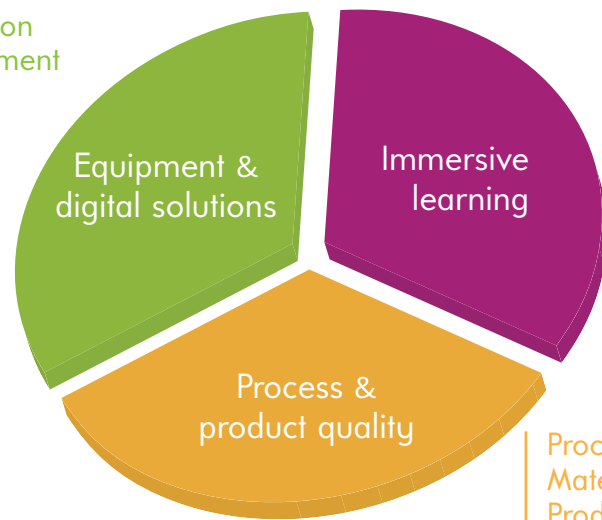
Training

PROCESS - QUALITY - OPERATION - MAINTENANCE

Together,
we redesign the future

TRAINING PROGRAMS

Operation & supervision
Performance improvement
Smart control
Maintenance



Real time training
Virtual reality

Process
Materials science
Product quality
Quality management & certification

PROCESS AND PRODUCT QUALITY

	Final product	📍*	🕒	
Metallurgy and metallurgical mechanisms	▲◆●	Fives' offices or on-site	4 days	
Steel manufacturing process (basics)	▲◆●		5 days	
Product (steel & coating) properties and applications	▲		4 days	
ZnAlMg product and process	▲		3 days	
Methods for defect resolution	▲		3 days	
Main defects in steelmaking and hot rolling	▲		2 days	
Main defects in pickling, cold rolling and galvanizing	▲		3 days	
Quality control & surface aspect analysis	▲		2 days	
Defect classification & surface inspection system	▲		On-site	2 days
Automotive certification	▲		Fives' offices or on-site	2 days
Customer technical support for steelmakers	▲	3 days		
Customer technical support for KAM	▲	3 days		
Quality management system	▲	2 days		
Continuous casting process	▲◆●	2 days		
Hot rolling process	▲◆●	On-site	3 days	
Cold rolling process	▲◆●		3 days	
Pickling & degreasing process	▲◆●		3 days	
Annealing process	▲◆●		2 days	
Induction heating	▲◆●		2 days	
Galvanizing process	▲		3 days	
Skin-pass	▲◆●		2 days	

*Provisional duration.

Pricing is determined by location and number of participants..

IMMERSIVE LEARNING

Fives offers an immersive approach to training via virtual reality. Virtual factory tours can be equipped with interactive scenarios targeted at resolving errors, as one example of many possibilities. These trainings will be custom-designed to the client's context.

DIGITAL SOLUTIONS AND EQUIPMENT

	Final product	📍*	🕒
DIGITAL SOLUTIONS:			
Eyeron	▲◆●	Fives' offices or on-site	3 days
SmartLine	▲◆●		3 days
Virtuo	▲◆●		3 days
EQUIPMENT:			
Reheating furnace: operation & maintenance	▲◆●	On-site	3 days
Reheating furnace: burner & combustion systems	▲◆●		3 days
20Hi cold rolling mill	◆●		3 days
Strip drive: operation & maintenance	▲◆●		3 days
Mechanical equipment: entry & exit systems, accumulators, etc.	▲◆●		3 days
Pickling equipment: operation & maintenance	▲◆●		2 days
Degreasing equipment: operation & maintenance	▲◆●		2 days
Annealing furnace: operation & maintenance	▲◆●		3 days
Annealing furnace: burner & combustion systems	▲◆●		3 days
Annealing furnace: cooling equipment	▲◆●		3 days
Annealing furnace: atmosphere control	▲◆●	3 days	
Induction heating technology	▲◆●	2 days	
Galvanization equipment	▲	3 days	
Skin-pass mill: operation & maintenance	▲◆●	3 days	
Strip coating line equipment	▲	2 days	

▲ Carbon steel ◆ Stainless steel ● Silicon steel

👤 Training is available for operators, supervisors, mechanical & process engineers.

👤 Training can be done in English and French. Other languages upon request.

📄 A training manual and a certificate of achievement are provided for each training.

🕒 Duration and content of theoretical and practical training can be adjusted upon the client's request.

*Provisional duration.

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