

# SMT

SERVICES MACHINERY TRUCKS

## TRAINING CATALOGUE

EFFICIENT SOLUTIONS AT THE  
SERVICE OF OUR CUSTOMERS





# SMT ACADEMY

The SMT Academy embodies our philosophy of excellence.

We believe that training and development are the «golden rules» that guarantee quality and performance in our industry, so that our customers use our products, systems and software efficiently.

We give our trainers the chance to evolve and train. So you have the guarantee that they are always highly qualified and certified. Everything you need to get the most out of your vehicle.

Reducing costs while increasing productivity and safety is a challenge that customers face every day. The reliability and efficiency of the machines play an important role, but it is the performance of the operator that really makes the difference. With a comprehensive set of training courses, we want to help operators improve their skills and enable them to get the most out of their machines.

## Our available training:

- › Machines - Handover - p4-5
- › Machines - Advanced driving skills - p6-7
- › Trucks - Handover - p8-9
- › Trucks - Advanced driving skills - p10-11
- › Trucks - Driver trainer - advanced training - p12-13
- › Bus - Handover - p14-15
- › Bus - Advanced driving skills - 16-17
- › Bus - Driver trainer - advanced training - p18-19
- › Technical - Preventive maintenance - p20-21
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# MACHINES - HANDOVER

MM-ENG-01 - Hydraulic excavators, loaders, dumpers, graders, bulldozers ...

## Why the Handover training?

The machine Handover training is perfect for getting to know your machine better, learning safe techniques and discovering how to operate it with minimal wear and tear. The result is more efficient use, lower costs and higher availability.

### TRAINING OBJECTIVES

- › Present the machine, go around the machine and check the levels
- › Drive the machine safely, use the machine in production and perform daily lubrication

### TRAINING PROGRAM

- › Presentation of the machine and the risks
- › Use of the machine (driveline, checks and daily maintenance, driving position and optimal operating conditions)
- › Putting knowledge into practice on site (demonstration, handover and practical exercises)
- › Individual assessments and debriefing with drivers and supervision

The participant will receive a report of the training with a delivery of an individual SMT certificate of handover

## Training Features

- **Target population:** Operators operating equipment
- **Prerequisites:** Minimum 1 - maximum 4 per group
- **Duration of the training:** 1 day of 8 hours theory and practice around the machine delivered
- **Pedagogical means:** digital support, practice on the customer's machine (75% of the duration of the training)

## Conditions

- For a group of up to 4 participants
- Travel and accommodation costs of the trainer in addition to be borne by the company



# MACHINES - ADVANCED DRIVING SKILLS

PERF-CE-01 - Hydraulic excavators, loaders, dumpers, graders, bulldozers ...

## Why the advanced driving skills training?

Aimed at more experienced operators, the «Driving Improvement» training is state-of-the-art training for experienced drivers and focusing on efficiency. The program helps operators be more productive while reducing fuel consumption, machine wear and tear and unplanned stops, resulting in more cost-effective and environmentally friendly operation.

### TRAINING OBJECTIVES

- › Take charge of your machine, drive safely in production and optimize the positioning of the machine to increase production
- › Use driver aids and perform end-of-shift checks

### TRAINING PROGRAM

- › Safety on construction sites
- › Use of the machine (driveline, checks/maintenance and daily maintenance, driving position and driving aids, optimal operating conditions and smooth and economical driving
- › Putting knowledge into practice on site (observation of operator practices, detection of anomalies during the loading/transport cycle, improvement of the use of the machine and its positioning and individual practical tests.
- › Individual assessments and evaluations with drivers and management

The participant will receive a report of the training with a presentation of an individual development certificate

## Training Features

- **Target population:** Machines operators (advanced, initiated, beginner)
- **Prerequisite:** Minimum 1 - maximum 4 per group
- **Training duration:** 1 to 3 days of 8h depending on the level of drivers to be trained
- **Teaching aids:** digital support, case studies, customer machine practice (75% of the duration of the training), technical and practical evaluations of operators at the end of the training

## Conditions

- **For a group of up to 4 participants**
- **Travel and accommodation costs of the trainer in addition to be borne by the company**





# TRUCKS - HANDOVER

MM-CAM-01 - Rigid, tractors ...

## Why the Handover training?

During our trainings, your drivers will study their vehicle in detail. Thanks to our close relationships with manufacturers, transport companies and the logistics sector, you are guaranteed to always get the most up-to-date information on developments and trends in the sector. Everything you need to get the most out of your vehicle.

### TRAINING OBJECTIVES

- › Discover your truck, go around and check the vehicle and maneuver the vehicle safely
- › Use the new options available on the truck and perform end of shift checks

### TRAINING PROGRAM

- › Safety with heavy vehicles
- › Use of the vehicle (truck presentation, driveline, driving position, checks and daily maintenance, driving aids and conditions of use)
- › Putting knowledge into practice on circuit and on the road (demonstration, getting started and using vehicle options)
- › Individual assessments and debriefing with drivers and management

The participant will receive a report of the training with a presentation of an individual development certificate

## Training Features

- **Target population:** Truck drivers, fleet manager, maintenance technicians and driver manager
- **Prerequisite:** Minimum 1 - maximum 4 per group
- **Training duration:** 1 to 3 days of 8h theory and practice around the truck
- **Teaching aids:** Digital support, practical on the customer's truck (75% of the duration of the training)

## Conditions

- For a group of up to 4 participants
- Travel and accommodation costs of the trainer in addition to be borne by the company



# TRUCKS - ADVANCED DRIVING SKILLS

PERF-CC-01 – Flat bed, tipper, articulates, tanks, refrigerated ...

## Why the advanced driving skills training?

During our trainings, your drivers will study their vehicle in detail. Thanks to our close relationships with manufacturers, transport companies and the logistics sector, you are guaranteed to always get the most up-to-date information on developments and trends in the sector. Everything you need to get the most out of your vehicle.

### TRAINING OBJECTIVES

- › Check truck, drive safe on road and reduce fuel consumption
- › Use speed bumps correctly, learn to anticipate situations and use the I-SHIFT robotic gearbox

### TRAINING PROGRAM

- › Safety, reminders about road accidents and the most common anomalies in transport
- › Use of the vehicle (checks and daily maintenance, kinematic chain of a heavy vehicle, center of gravity of the vehicle assembly and the effects of centrifugal force, rational and economical driving and use of inertia)
- › Putting knowledge into practice on set and on the road (observation of driver practices, detection of anomalies, corrections and individual practical tests with increasing difficulties)
- › Individual assessments and evaluations with drivers and management

The participant will receive a report of the training with a presentation of an individual development certificate

## Training Features

- **Target population:** Truck drivers (advanced, initiated, beginner)
- **Prerequisite:** Minimum 1 - maximum 4 per group
- **Training duration:** 1 to 3 days of 8h depending on the level of drivers to be trained
- **Teaching aids:** digital support, case studies, customer's truck practice (75% of the duration of the training), technical and practical evaluations of the driver at the end of the training

## Conditions

- **Driving license C, EC and up-to-date medical visit**
- **For a group of up to 4 participants**
- **Travel and accommodation costs of the trainer in addition to be borne by the company**





# TRUCKS – DRIVER TRAINER- ADVANCED SKILLS

PERF-MOC-01

## Why train trainers?

Sharing the expert knowledge of our trainers with your trainers allows you to ensure regular follow-up after the basic training given by our trainers, to have a regular refresher of knowledge and to act quickly in case of misconduct

### TRAINING OBJECTIVES

- › Train trainers in truck driving and improve the educational performance of internal company trainers
- › Develop a mindset of rational driving in the company and use driving aids

### TRAINING PROGRAM

- › Safety and respect for the traffic laws, reminders on accidents, driver behavior and the benefits of driving coaching
- › Use of the vehicle (daily checks and inspections, driveline, driving aids, conditions of use & environmental protection and tests)
- › Defensive and behavioral driving (regulations, safety distances, distractors, use of mirrors and blind spots, behavior towards road users)
- › Driver training techniques (evaluations, organization of exercises and development of courses)
- › Practical application of knowledge on track and road (observation of driver practices, detection of anomalies, corrections, demonstrations and rational driving commented on mixed roads with vehicle in charge)
- › Individual assessments with instructors and management

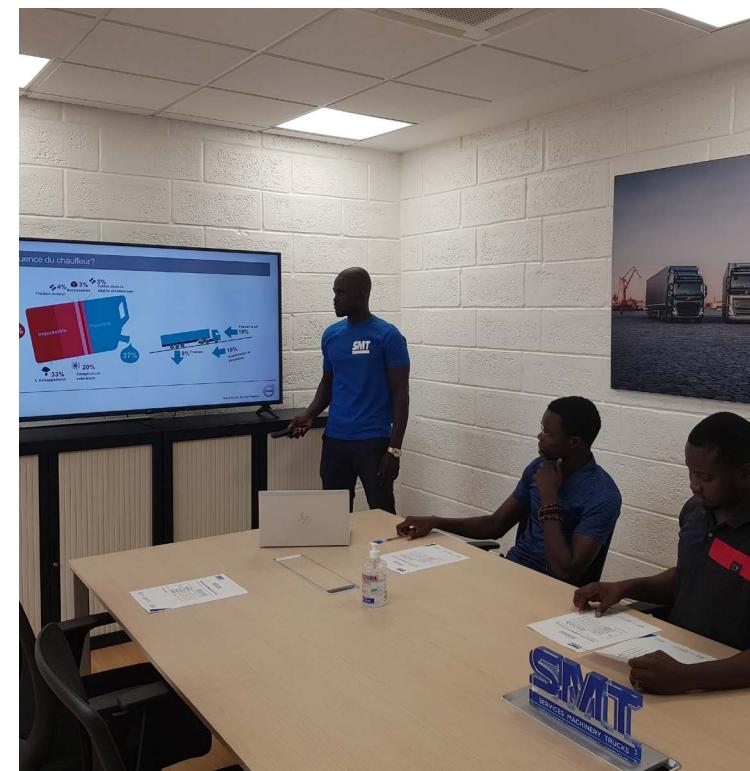
The participant will receive a report of the training with a presentation of an individual development certificate

## Training Features

- **Target population:** Experienced drivers and trainers on articulated and/or rigid trucks
- **Prerequisite:** Minimum 1 - maximum 4 per group
- **Training duration:** From 3 to 5 days of 8h depending on the level of instructors to be perfected
- **Teaching aids:** digital support, case studies, customer's truck practice (75% of the duration of the training), technical and practical evaluations of the driver at the end of the training

## Conditions

- **Driving license C, EC and up-to-date medical visit**
- **For a group of up to 4 participants**
- **Travel and accommodation costs of the trainer in addition to be borne by the company**



# BUS - HANDOVER

MM-BUS-01

## Why the Handover training?

During our trainings, your drivers will study their vehicle in detail. Thanks to our close relationships with manufacturers, transport companies and the logistics sector, you are guaranteed to always get the most up-to-date information on developments and trends in the sector. Everything you need to get the most out of your vehicle

### TRAINING OBJECTIVES

- › Discover your bus, go around, check the vehicle and use your bus rationally in complete safety
- › Use the new options available on the bus and perform end-of-shift checks

### PROGRAMME DE LA FORMATION

- › Safety with passenger transport vehicles
- › Use of the vehicle (bus presentation, driveline, driving position, checks and daily maintenance and driving aids)
- › Putting knowledge into practice on the plateau, on the road and in urban areas (demonstration, safe maneuvering on the track, maneuverability and slalom between cones, safe driving on the road and use of vehicle options)
- › Individual assessments and debriefing with drivers and management

The participant will receive a report of the training with a presentation of an individual development certificate

## Training Features

- **Target population:** Bus drivers, fleet manager, maintenance technicians and driver manager
- **Prerequisite:** Minimum 1 - maximum 4 per group
- **Training duration:** 1 to 3 days of 8h theory and practice around the bus
- **Teaching aids:** Digital support, practical on the customer's truck (75% of the duration of the training)

## Conditions

- **For a group of up to 4 participants**
- **Travel and accommodation costs of the trainer in addition to be borne by the company**





# BUS - ADVANCED DRIVING SKILLS

PERF-CB-01

## Why the advanced driving skills training?

Intended for more experienced drivers, advanced driving training allows your drivers to use their vehicle in the best way, to improve the safety and comfort of passengers, to reduce the risk of damage to the vehicle. It also allows you to reduce your maintenance and fuel costs, improve your impact on the environment and increase the number of loyal and satisfied customers.

### TRAINING OBJECTIVES

- › Check the bus, maneuver & drive safely on the road and reduce its fuel consumption
- › Use speed bumps correctly, learn to anticipate situations and use the I-SHIFT robotic gearbox  
utiliser la boîte robotisée I-SHIFT

### TRAINING PROGRAM

- › Safety, reminders on road accidents and the most common anomalies in the transport of people
- › Use of the vehicle (daily checks and maintenance, driveline, rational and economical driving and anticipation)
- › Putting knowledge into practice on set and on the road (observation of driver practices, detection of anomalies, corrections and individual practical tests with increasing difficulties)
- › Individual assessments and debriefing with drivers and management

The participant will receive a report of the training with a presentation of an individual development certificate

## Training Features

- **Target population:** Truck drivers (advanced, initiated, beginner)
- **Prerequisite:** Minimum 1 - maximum 4 per group
- **Training duration:** 1 to 3 days of 8h depending on the level of drivers to be trained
- **Teaching aids:** digital support, case studies, customer's truck practice (75% of the duration of the training), technical and practical evaluations of the driver at the end of the training

## Conditions

- **Driving license D and up-to-date medical visit**
- **For a group of up to 4 participants**
- **Travel and accommodation costs of the trainer in addition to be borne by the company**





# BUS - DRIVER TRAINER- ADVANCED

PERF-MOB-01

## Why train trainers?

Sharing the expert knowledge of our trainers with your trainers allows you to ensure regular follow-up after the basic training given by our trainers, to have a regular refresher of knowledge and to act quickly in the event of a deviation from conduct.

### TRAINING OBJECTIVES

- › Train trainers in bus driving and improve the educational performance of internal company trainers
- › Develop a mindset of rational driving in the company and use driving aids

### TRAINING PROGRAM

- › Safety and respect for the traffic laws, reminders on accidents, driver behavior and the benefits of driving coaching
- › Use of the bus (daily checks and controls, driveline, driving aids and conditions of use of the passenger transport vehicle)
- › Defensive and behavioral driving (safety distances, use of mirrors and blind spots, behavior towards road users and distractors)
- › Driver training techniques (evaluations, organization of exercises and development of courses)
- › Putting knowledge into practice on the track and on the road (observation of driver practices, detection of anomalies, corrections, demonstrations and commented driving on mixed routes)
- › Individual assessments and debriefing with drivers and management

The participant will receive a report of the training with a presentation of an individual development certificate

## Training Features

- **Target population:** Experienced drivers and trainers on bus
- **Prerequisite:** Minimum 1 - maximum 4 per group
- **Training duration:** From 3 to 5 days of 8h depending on the level of instructors to be perfected
- **Teaching aids:** digital support, case studies, customer's bus practice (75% of the duration of the training), technical and practical evaluations of the driver at the end of the training

## Conditions

- **Driving license D and up-to-date medical visit**
- **For a group of up to 4 participants**
- **Travel and accommodation costs of the trainer in addition to be borne by the company**





# TECHNICAL TRAINING – PREVENTIVE MAINTENANCE

ref : FT - MP - CL

## Why technical training?

The technical training will allow your technicians to know the recommendations of the manufacturers in terms of intervals and maintenance operations and regular checks, following the basic safety rules and using the right tools.

### TRAINING OBJECTIVES

- › Working safely in the workshop and around vehicles
- › Use the right tools and documentation
- › Use lubricants according to manufacturers' requirements
- › Know the service intervals
- › Maintenance operations (daily, weekly, predictive and annual)

### TRAINING PROGRAM

- › Safety at the workshop
- › Safety around vehicles
- › Tightening/loosening tools
- › Control and measurement tools
- › Technical documentation
- › Service maintenances
- › Types of lubricants and characteristics
- › Identification of level and lubrication control points

## Training Features

- **Target population** : fleet manager, technician, maintenance mechanic
- **Prerequisite** : Minimum 4 – maximum 8 per group
- **Duration of training** : 4 days
- **Pedagogical means**: Digital media, Presentation on vehicle

## Conditions

- Will preferably take place in our Regional Training Center
- For a group of up to 8 people
- Travel and accommodation expenses of the trainer in addition to be borne by the company if the trainer has to travel





# TECHNICAL TRAINING – POWERTRAIN

ref : FT - GMP - CL

## Why technical training?

The technical training will allow your technicians to better know the operation of engines and transmissions and their maintenance.

### TRAINING OBJECTIVES

Know the operating principle and characteristics of the driveline of the vehicles in your fleet:

- › Diesel engine
- › Transmissions
- › Bridges and differentials.

### TRAINING PROGRAM

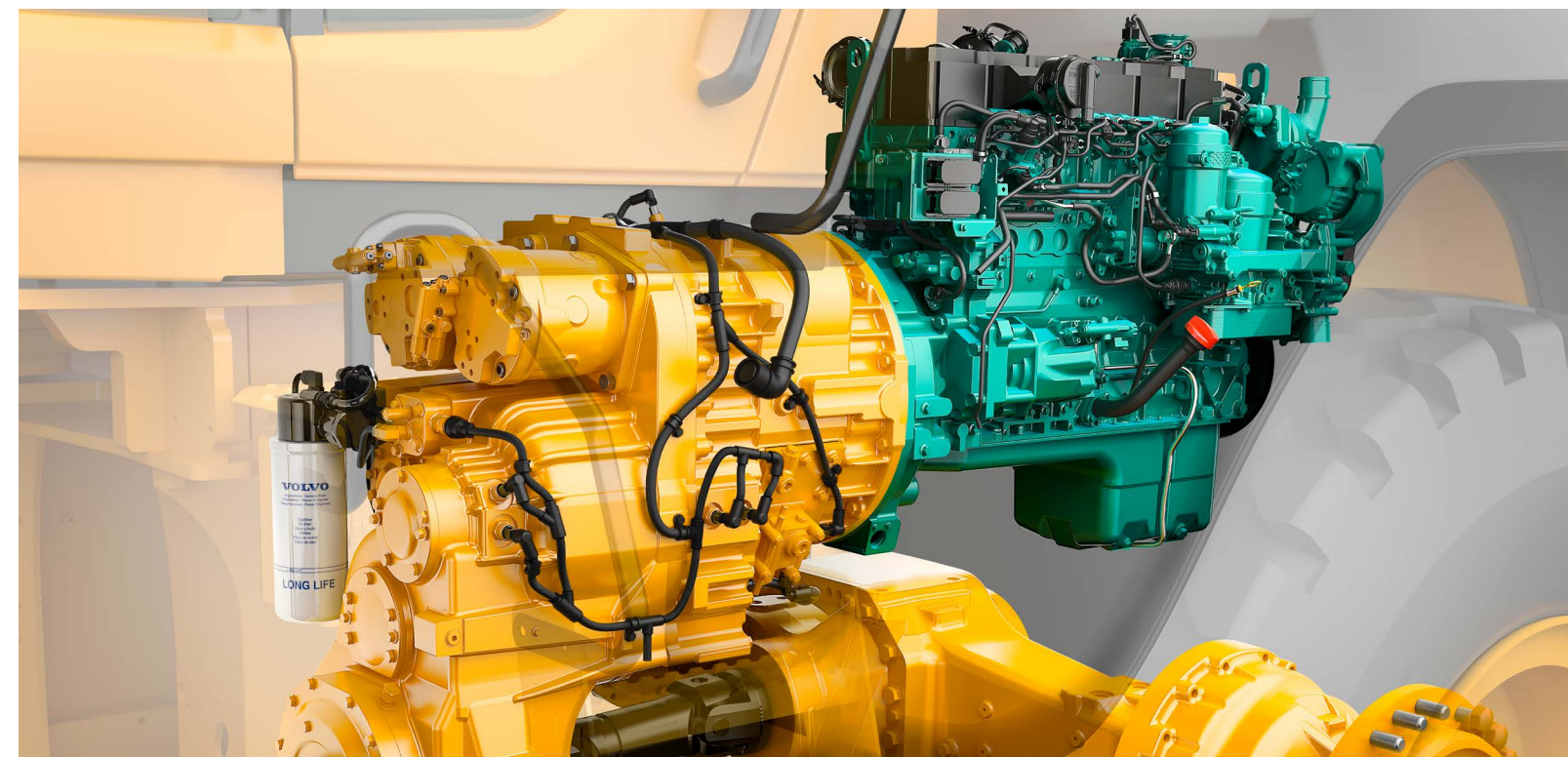
- › Operation of a diesel engine
- › Engine components and circuits
- › Presentation of the different types of transmission
- › Principles of operation of transmissions
- › Operation of bridges and differentials

## Training Features

- **Target population** : fleet manager, technician, maintenance mechanic
- **Prerequisite** : Minimum 4 – maximum 8 per group
- **Duration of training** : 4 days
- **Pedagogical means**: Digital media, Presentation on vehicle

## Conditions

- **Will preferably take place in our Regional Training Center**
- **For a group of up to 8 people**
- **Travel and accommodation expenses of the trainer in addition to be borne by the company if the trainer has to travel**





# TECHNICAL TRAINING – ELECTRICITY

ref : FT - ELEC - CL

## Why technical training?

La formation technique permettra à vos techniciens de connaître le fonctionnement des circuits électriques et leur maintenance.

### TRAINING OBJECTIVES

- › Recall the fundamental principles of electricity
- › Know the different types of electrical circuits
- › Know how to read an electrical diagram and identify symbols
- › Know the different circuits on a vehicle (power, charge, start, ...)
- › Measure the different electrical values
- › Repair an electrical harness

### TRAINING PROGRAM

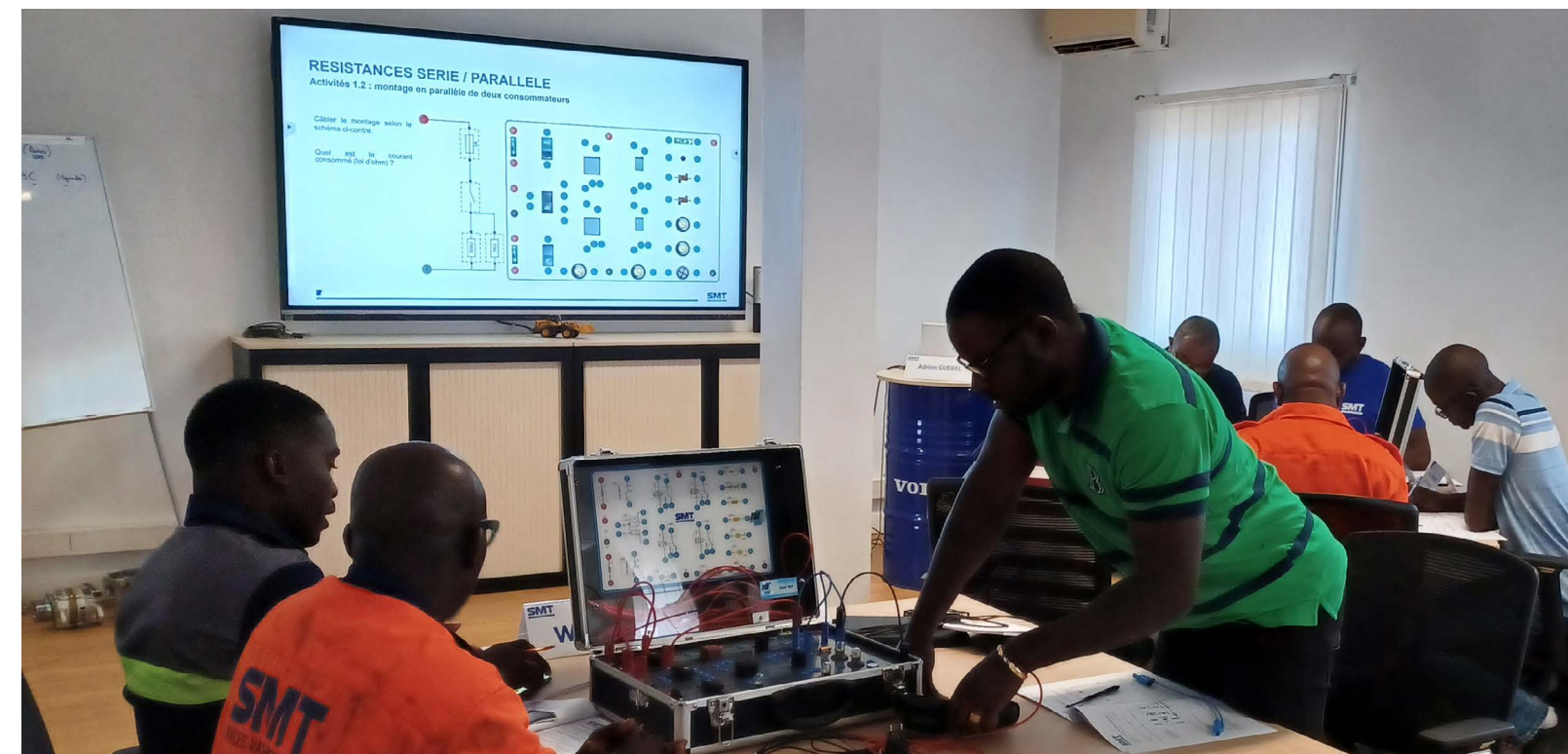
- › Reminders of the fundamentals of electricity
- › Difference between series circuit and parallel circuit
- › Electrical circuit components and symbols
- › Reading an electrical diagram
- › Electrical circuit measurements
- › Basic controls of an electrical system
- › Repairs to an electrical harness

## Training Features

- **Target population** : technician, electrician
- **Prerequisite** : Minimum 4 – maximum 8 per group
- **Duration of training** : 4 days
- **Pedagogical means**: Digital media, vehicle presentation, electrical components, measurement tools

## Conditions

- Will preferably take place in our Regional Training Center
- For a group of up to 8 people
- Travel and accommodation expenses of the trainer in addition to be borne by the company if the trainer has to travel





# TECHNICAL TRAINING – HYDRAULICS

ref : FT - HYD - CL

## Why technical training?

Technical training will allow your technicians to know the components and operation of a hydraulic system.

### TRAINING OBJECTIVES

- › Recall the fundamental principles of hydraulics
- › Know how to read a hydraulic diagram and identify symbols
- › Know the different circuits on a vehicle (power, driving, return, ...)
- › Measuring hydraulic pressures
- › Using the right oils and reminder of maintenance
- › Identify and use the right hydraulic hoses

### TRAINING PROGRAM

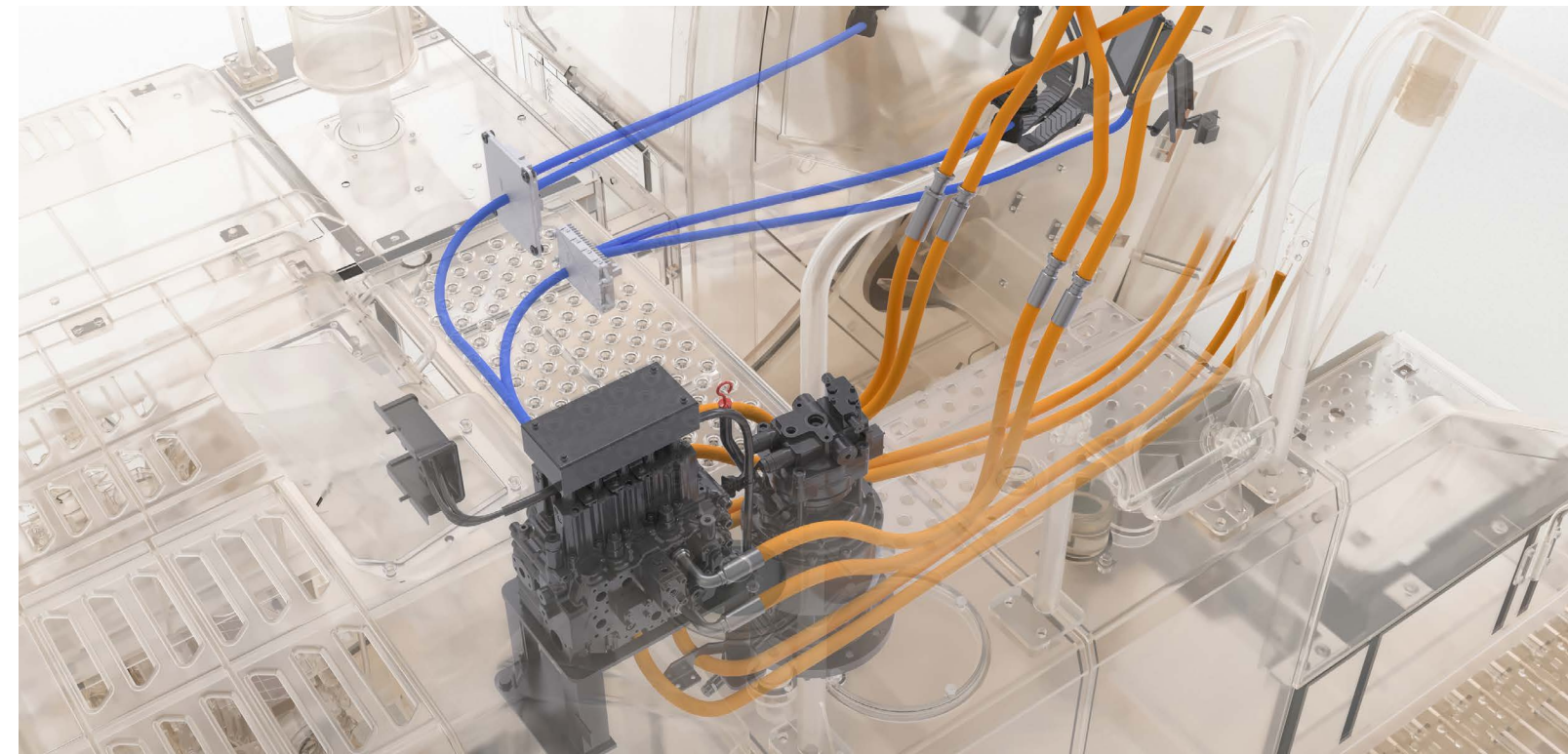
- › Reminders of the fundamental principles of hydraulics
- › Hydraulic System Components and Symbols
- › Reading a hydraulic diagram
- › Pressure measurement
- › Basic controls of a hydraulic system
- › Types of oils recommended by the manufacturer and maintenance recommendations
- › Characteristics of hydraulic hoses

## Training Features

- **Target population** : technician
- **Prerequisite** : Minimum 4 – maximum 8 per group
- **Duration of training** : 4 days
- **Pedagogical means**: Digital media, vehicle presentation, hydraulic components, measurement tools

## Conditions

- **Will preferably take place in our Regional Training Center**
- **For a group of up to 8 people**
- **Travel and accommodation expenses of the trainer in addition to be borne by the company if the trainer has to travel**

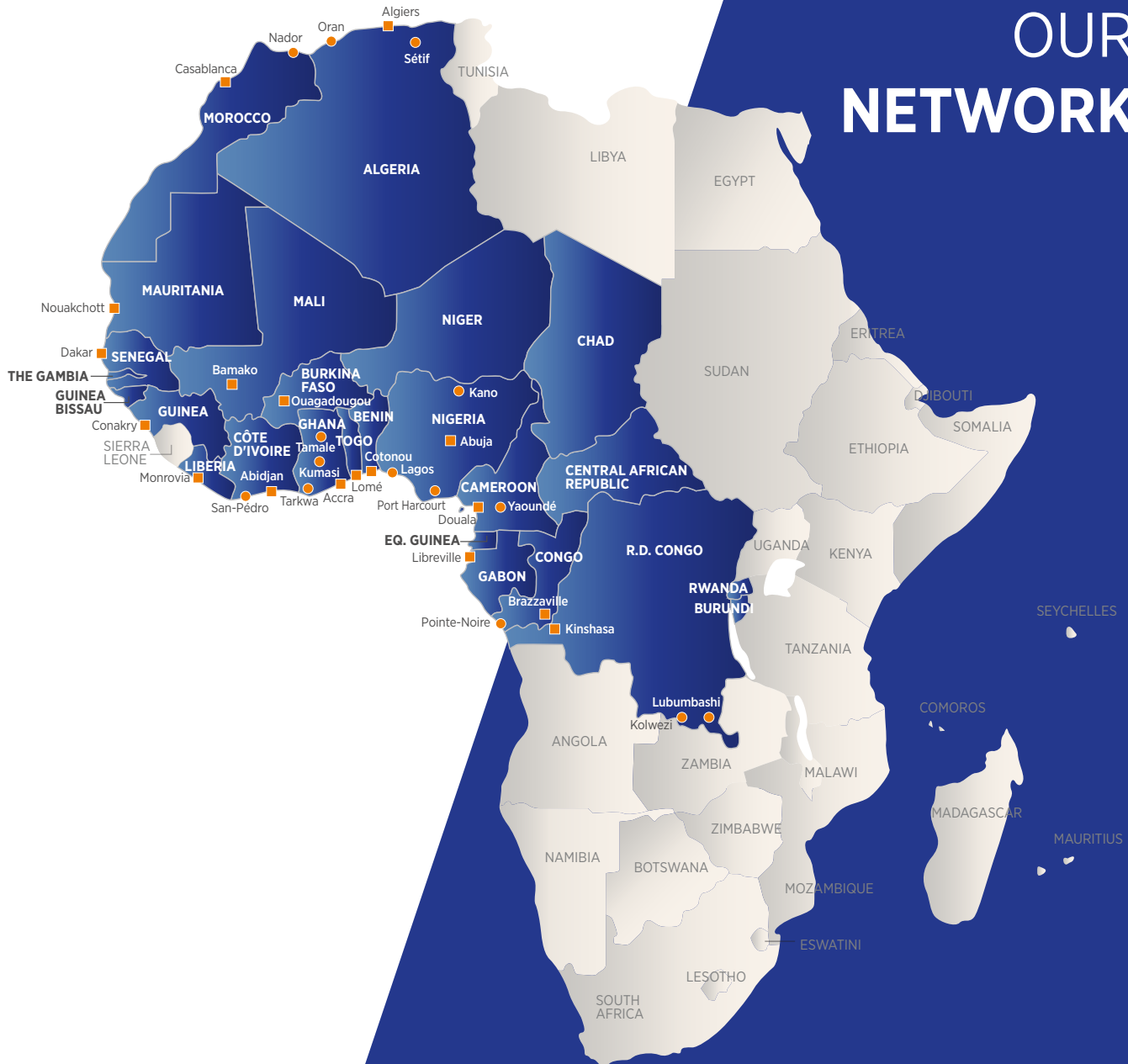




# SMT

SERVICES MACHINERY TRUCKS

## OUR NETWORK



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