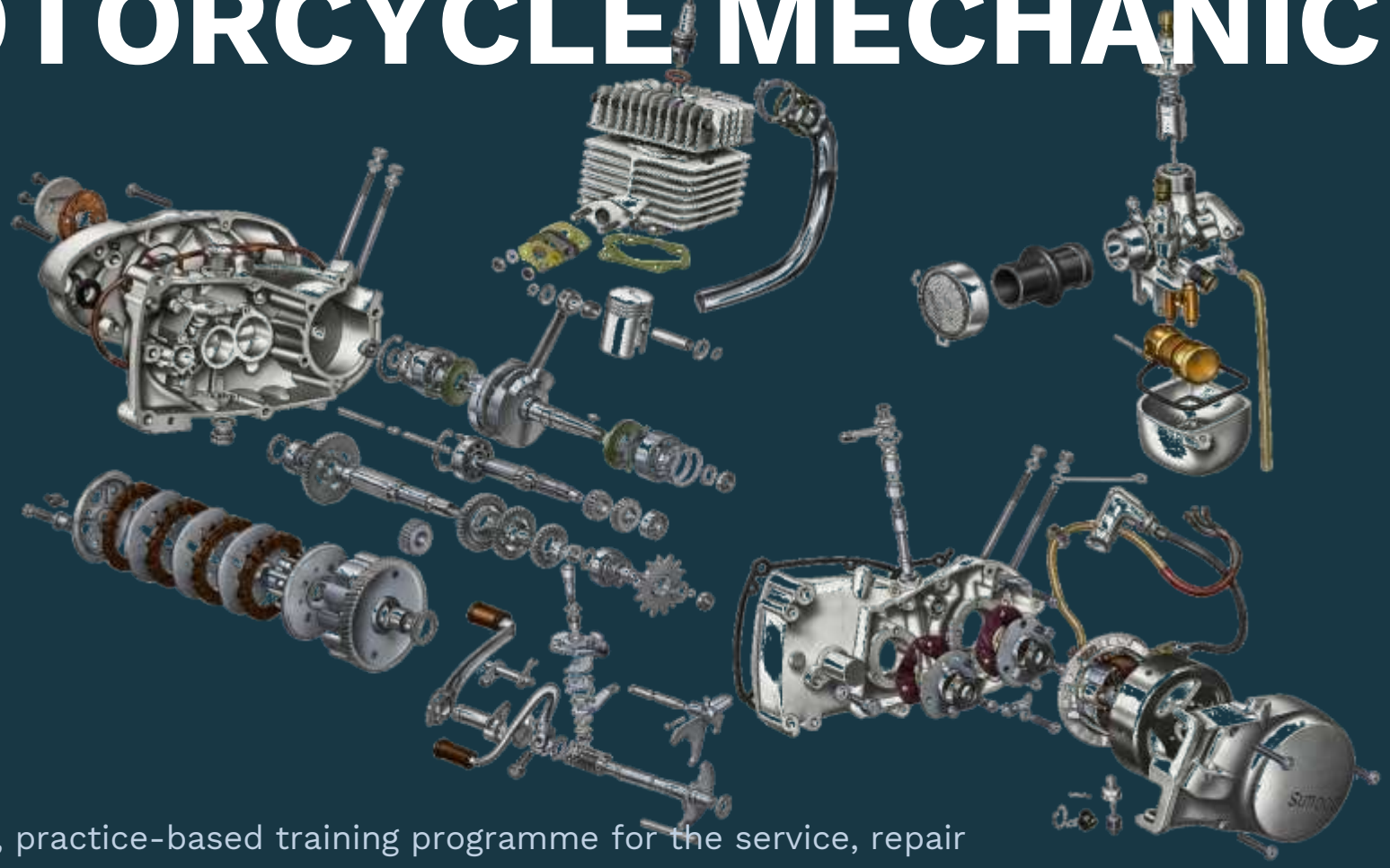
PRACTICAL CURRICULUM · MOTORCYCLE MECHANIC · FULL-TIME

MOTORCYCLE MECHANIC



A complete, practice-based training programme for the service, repair and diagnosis of motorized two- and three-wheelers.

THE PROGRAMME

Mobility keeps the region moving. This programme builds the skills that keep it running.



Motorcycle Mechanic is a practice-based, full-time programme for the service, repair and diagnosis of motorized two- and three-wheelers.

Across twenty-two core modules, apprentices progress from chassis, brakes and engine through electrics and diagnostics to three-wheeler trades, electric drive and workshop operation.

The focus is on hands-on practice throughout. Training takes place on real machines from the actual fleet, mostly small single-cylinder commuter motorcycles from Indian and Chinese brands, with around 1,500 hours of technical learning and more than 130 assessed exercises. Each module ends with an assessed examination, so that the apprentices' competence is shown through real work and not on paper. Small engines, three-wheeler trades and electric drive with battery swapping are set up as dedicated modules.

The programme is offered as a curriculum, as a matching equipment specification, or as a turnkey package for the site.

22
CORE MODULES

1.500 h
HANDS-ON LEARNING

135 +
PRACTICAL EXERCISES

280 +
EQUIPMENT ITEMS

2 Years
FULL-TIME

PRACTICAL CURRICULUM

22 modules.

From service, brakes and engine through electrics and diagnostics to three-wheelers, electric drive and African operating practice, concluding with fault finding, conversion and workshop operation.



MODULE

01 – 22 · BY PHASE

01 **Construction, frame & overview**
SERVICE & CHASSIS

02 **Service & maintenance**
SERVICE & CHASSIS

03 **Wheels, tyres & balancing**
SERVICE & CHASSIS

04 **Brake systems**
SERVICE & CHASSIS

05 **Combustion engine**
ENGINE & DRIVETRAIN

06 **Engine overhaul**
ENGINE & DRIVETRAIN

07 **Fuel system & exhaust**
ENGINE & DRIVETRAIN

08 **Ignition & management**
ENGINE & DRIVETRAIN

09 **Power transmission**
ENGINE & DRIVETRAIN

10 **Small-engine crossover**
ENGINE & DRIVETRAIN

11 **Electrical system & starter**
ELECTRICS & DIAGNOSTICS

12 **Electronics & diagnostics**
ELECTRICS & DIAGNOSTICS

13 **Chassis & steering**
ELECTRICS & DIAGNOSTICS

14 **Frame & bodywork**
ELECTRICS & DIAGNOSTICS

15 **Three-wheelers: drive & axle**
THREE-WHEELER & E-DRIVE

16 **Three-wheeler trade & fleet**
THREE-WHEELER & E-DRIVE

17 **High-voltage & electric drive**
THREE-WHEELER & E-DRIVE

18 **Battery & swap system**
THREE-WHEELER & E-DRIVE

19 **African operating practice**
THREE-WHEELER & E-DRIVE

20 **Fault finding & diagnostics**
DIAGNOSTICS & OPERATION

21 **Conversion & registration**
DIAGNOSTICS & OPERATION

22 **Workshop & business**
DIAGNOSTICS & OPERATION

EQUIPMENT

Trained on real machines.



01

Basic workshop equipment & lifting technology

Assembly stands, lifts, workbenches, torque and hand tools.

02

Engine, drivetrain & small-engine tools

Special tools for engine overhaul, clutch, CVT and small engines.

03

Measuring, testing & diagnostic equipment

Multimeters, compression testers, exhaust and diagnostic devices, OBD readers.

04

Electrical, electronic & high-voltage equipment

Test equipment for the electrical system and electronics as well as HV protective and testing equipment.

05

Tyre, brake & chassis tools

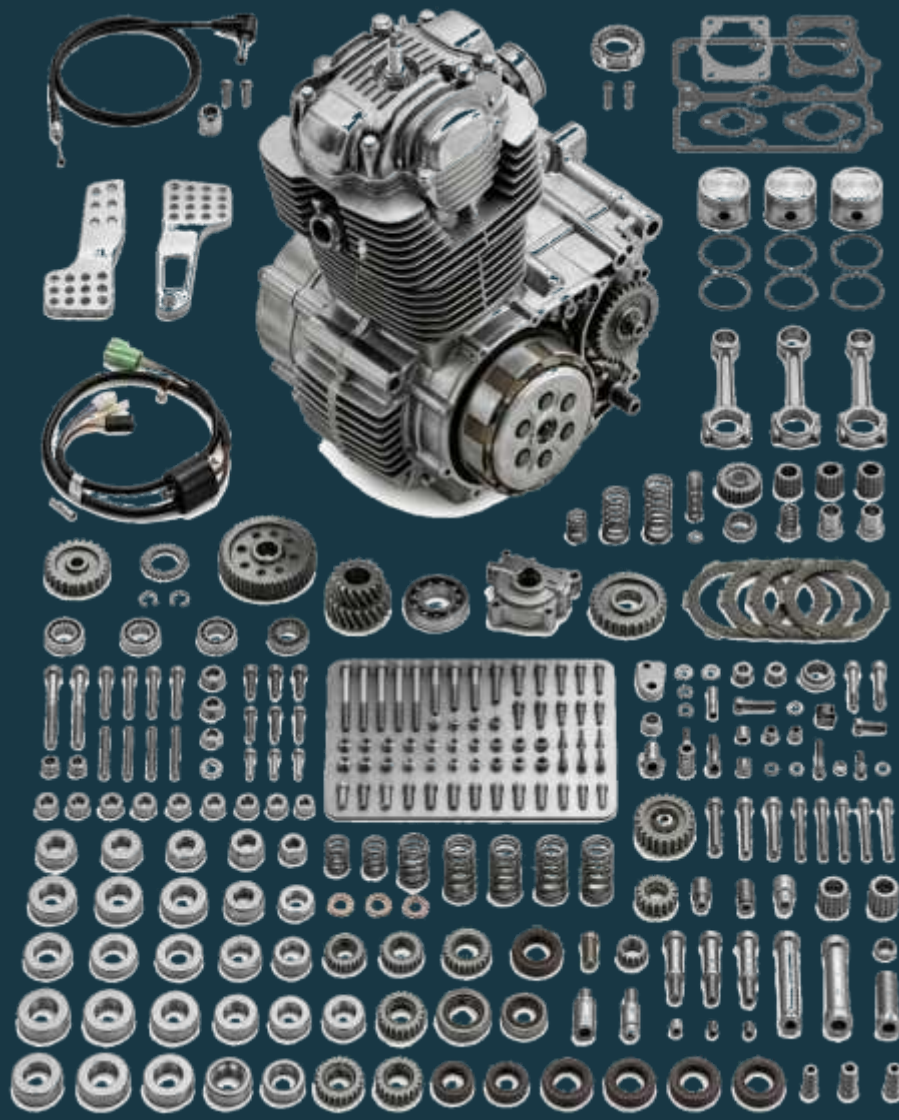
Tyre mounting, balancing, brake and chassis special tools.

06

Training vehicles & consumables

Training motorcycles, three-wheelers and electric vehicles together with operating fluids.

~180 ITEMS · 6 CATEGORIES



LET'S GET TARTED.

AVAILABLE AS · **Turnkey** (consulting + equipment + delivery + curriculum + installation)