



## ELECTRIC FUNCTIONS V.I.

Réf : SYS-FE



### Présentation :

This model is displayed on a stand :

- On one face is drawn the top view of an industrial vehicle which allows to study the electric functions of the « under body ».
- On the other is drawn the view of a driver's cab which allows to study the electric functions of the « driver's cab ».



Students can work in two independent groups at the same time.

Some additional elements with real electric components can be fixed on each face. On each element is drawn the electric circuit and female plugs are implanted.



An arrangement part with locks is integrated in the model (for each face), and allows an easier and more secure storage of all the components and wires delivered with the model.

The simulator is delivered on castors and can be used in a workshop, a laboratory or a classroom.

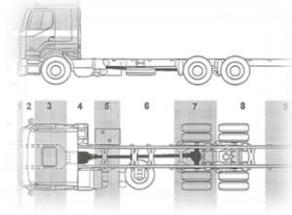
An electric supply (24 volts) is delivered with the model.



## Pedagogic activities :

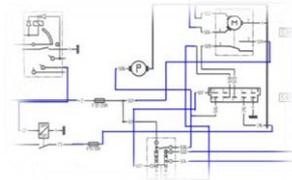
### ELECTRIC FUNCTIONS OF THE « UNDER BODY » :

- Main lighting : side-lights, dipped headlights, main-beam headlamps
- Additional lighting : fog lights and long range lights
- Stop lights and reversing lights
- Flashing lights and warning lights.



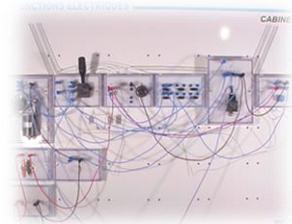
### ELECTRIC FUNCTIONS OF THE « DRIVER'S CAB »:

- Command of the starting circuit and engine stoppage
- Anti-starting and centralized closing
- Essuie-pane and lava-pane
- Window-raiser.



The student is going to acquire the following competences :

- Identify an electric component and its connections.
- Locate its position in the vehicle from the manufacturer drawings.
- Connect the components according to the manufacturer drawings.
- Analyse the system working.
- Carry out electric measures and valid the component working.
- Carry out failure search operations.



The student is facing a system constituted of real components. This simulator complies with the requirements from BEP to BTS (French National Education). A technical and pedagogic documentation is supplied with the model on CD-ROM.

## Characteristics general :

<u>Energies (V) :</u>	<u>Dimensions (mm) :</u>	<u>Weight (Kg) :</u>
220 Volt. 50 Hz mono phased	Length= 1400 Width= 700 Height= 1700	250

## Options :

- Slip-cover
- USB data acquisition and exploitation Car&Box



CAP

BAC PRO

BTS

SUP

**POIDS LOURDS - AGRICOLE**