

## LIGHT AUTONOMOUS BRIDGING SYSTEM



The Light Autonomous Bridging System (LABS) is an innovative, simple and efficient response to the problem that is faced during contingency operations in rugged terrain due to the presence of numerous small dry or wet gaps which dramatically hamper movements of medium size wheeled vehicles.

### Innovation

LABS is based upon an original and patented design called "horizontal translation launching".

### Simplicity

LABS does not require any dedicated device to be set up. It can be transported and grounded by any 20 feet DROPS truck.

LABS is autonomous in energy (hydraulic plant run by a diesel engine) and does not require any counter-weight for launching thanks to use of a swivelling launching beam. It is made of steel, therefore repairs are easy to perform.

### Efficiency

LABS allows crossing of MLC 40 vehicles over gaps up to 6 meters.

### Easy transport

LABS is transported and grounded by any 20 feet DROPS truck. It can be containerised (20 feet container).

### Easy set-up

LABS is set up by the truck crew (2 people). Once the grounding is completed as for any DROPS truck, the launching is performed with a single movement in 3 to 4 minutes.



LABS	Light Autonomous Bridging System
Bridge length	9 m
Scope of the bridge	5 m to 6 m (depends on the ground)
Bridge width	3,35 m
MLC of the bridge	40
Time to set-up	3 to 4 minutes
Bridge weight	about 11 t
Fuel	Diesel



Helipad



Ground Improvement Mat



Tentfloor

A4-DEF LAB5 UK 12.nov.08



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