



# CADO®

## When every second counts

**SPIE Nederland B.V. provides innovative traffic management solutions. Safety on our roads is priority number 1 and for that we have developed our CADO® emergency barrier, next to the VEVA® movable barrier and our BarrierGuard 800® steel barriers. All systems providing added safety for road users and maintenance staff and helping to ensure the consistency of traffic flows in a swift way.**

### CADO® main applications:

#### Traffic solutions for rescue teams

The emergency barrier CADO® is designed in a way that it can provide an opening in the median barrier so that rescue teams (police, ambulance, fire brigade) can immediately transfer from one road lane to the contra road lane. The motorway emergency barrier gate makes it possible for rescue teams to arrive at the spot of the incident quickly, even if road sections are closed or tunnels are blocked.



#### Access to the other lane

Creating extra openings in the median for salvage companies.

The disposal of these stranded vehicles can be speeded up by providing a quick access thanks to the calamity passage CADO®. First to reach the stranded vehicle on the motorway and second to remove it to a secured area.



#### Traffic flow redirection

The emergency gate CADO® provides a redirecting traffic flow road solution. Via the calamity passage that can be opened swiftly, vehicles are given the opportunity to escape the blocked area through the median and get quick access to the other traffic lane. By rerouting this flow of vehicles, traffic will be released and traffic congestion will be reduced.



#### Safety at U-turns

By opening the highway emergency gate barrier, a calamity passage allows a highway U-turn for emergency vehicles. Not only does the CADO® create an exit for emergency vehicles, it is also used as a U-turn traffic in the event of blocked road sections.



## CADO® main benefits:

- ▶ Fully automated – electro mechanically driven
- ▶ Tested according EN 1317 (H2 containment level)
- ▶ Easy and quick to operate, remote or local control
- ▶ Opening passage available within 30 seconds
- ▶ Immediate closing after the emergency vehicle passed through
- ▶ Time gained can save lives
- ▶ Easy replacement in case of damage
- ▶ Highest quality - low maintenance
- ▶ Reduction of carbon dioxide emissions thanks to minimizing traffic congestion
- ▶ Step barrier profile; connect seamlessly to a fixed barrier
  - ▶ Optional: Guide rail CADO® (hydraulic)



## CADO® main options:

- ▶ Reflection tape on both sides
- ▶ Emergency button
- ▶ Obstacle detection during downwards movement
- ▶ Extended cable length from 50 up to 100 mtr
- ▶ Tracing
- ▶ Manual control



## CADO® control/operation options:

- ▶ Via Local Control Cabinet through HMI screen
- ▶ Via parent system (hardwired or bus communication, i.e. Profisafe for optimal safety purposes)
- ▶ Additional Local Control Panel
- ▶ Remote assistance via SLA (Service Level Agreement) in combination with built in modem



# CADO® technical data:

Plate thickness	5 mm
Material	S355JR according to NEN-EN 10025
Protective finish internal/external	hot dip galvanised (EN-ISO1461)
Drive	electromechanical*
Connection data	400 V AC, 25 A**
Passage width	6, 9 or 15 metres
Opening time	30 sec.
EN 1317:2	H2; ASI C; W2
Step-barrier	(H): 900 mm; (W) top: 200 mm; (W) down: 540 mm
Delivery	complete with anchors and embedded parts
Optional	prefab concrete foundation

\* alternatively hydraulic drive, only for guiderail CADO® (see below picture)

\*\* alternatively 32 A in case of opening 2 CADO®s through 1 control cabinet

