## INNOVATION

Specific custom-made DC brushless wheel-motor and controller ; innovative general layout increasing

## TECHNICAL

Three-wheeler (side-car motorcycle type layout), body-chassis shell made of carbon-epoxide comp

## CHASSIS - BODY

- Length : 5400mm, Width : 2000mm, Height : 1000mm
- Wheelbase : 2400mm, Track : 1000 mm, Weight : 290Kg
- Front area : 0.90m2 ; Drag Coefficient : 0.12 (theoretical)
- Custom-made telescopic suspensions with oleopneumatic adjustable spring/dampers, redundant h
- 65/80-16 radial tyres (510kPa), ultra-low rolling resistance

## ELECTRICAL SYSTEMS

- Specific custom-made DC brushless wheel-motor and controller,
  nominal power : 1200W at 800rpm, global efficiency : 92%
- Batteries : Lead-acid, 2.2kWh, 77Kg
- Photovoltaic generator : 7.9 m2, silicon cells (16.5%), 8 Solectria Maximum Power Trackers, theoret

## BUDGET

US$ 350,000 direct cost + free contributions : US$ 250,000 circa [1996 US$]

## ACHIEVEMENTS

First french sunracer ever to enter the World Solar Challenge (Darwin to Adelaide : 3,000 Km Solar