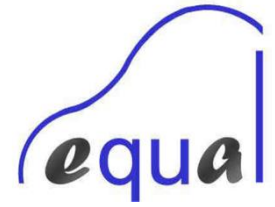
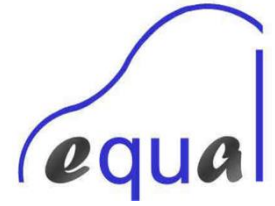


# European Quadricycles League (EQUAL) United- Kingdom



# PRESENTATION OF EQUAL



**EQUAL** is the European association of manufacturers of quadricycles.

We Represent **key quadricycle manufacturers** who's facilities are primarily based in **France and Italy**.

The most well known are : AIXAM, MICROCAR, LIGIER, JDM Automobiles, CHATENET, CASALINI and BELLIER.

The **EQUAL's aim is:**

- To promote and support ownership of quadricycles throughout Europe.
- To represent the promotion and concerns of our industry partners and their independent quadricycle importers.

EQUAL supports a network of consultants who's main aim is to promote a mode of transportation which is unique but perfectly integrated in national as well as **European legislation; vehicle licensing and safety requirements.**

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## 1. The quadricycle market:

- ✓ Key figures
- ✓ Drivers
- ✓ Needs of the urban population

## 2. Legislation:

- ✓ The Third Driving Licence Directive (n°2006/126/EC)
- ✓ Regulation n°168/2013 the approval of two- or three-wheel vehicles and quadricycles

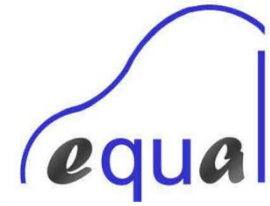
## 3. Growth area for electric quadricycles:

- ✓ In the UK and Europe
- ✓ Research areas

## 4. Issues:

- ✓ European Euro Normes (Euro 5)

# THE QUADRICYCLE MARKET (1/2)



## ✓ Key figures:

**Automotive fleet** (2012): 340 000 drivers

**Registration** (2012):

- In Europe: 17 262
- In the UK : 143 (until October 2013: 158)
- In Italy: 2 351
- In France: 10 614

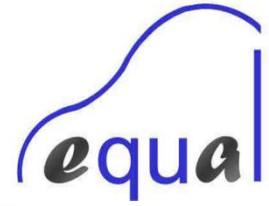
## ✓ Drivers:

Who are the **340 000 European quadricycle drivers** (estimated figures 2012)?

Market studies and practical observations show that there are two different kinds of quadricycle users:

- **An elderly population living in the countryside**, with limited resources. This demographic counts for the majority of users. (over 90%);
- **A well-off, young and urban population.**

# THE QUADRICYCLE MARKET (2/2)



## ✓ The needs of an urban population : Safe and Modern.

Light quadricycles have many advantages that make them **the urban** vehicle of choice:

- **Small dimensions** makes parking easier (narrow access) this can also prove useful when making light, multi drop deliveries;
- **Fuel efficient** (approx 95mpg);
- **Low Co2 emissions reducing the environmental impact;**
- **A reduced speed** of 45 kph or 28 mph which is better adapted to urban driving;
- Easy to operate **CVT transmission;**
- A form of **safe, entry level graduated driving** which encourages better driver awareness.

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**An european specific regulatory framework, regarding:**

✓ **Driving Licence :**

**The Third European Driving Licence Directive (2006/126/EC)** was introduced into the UK on the 19th January 2013. The minimum requirements to drive:

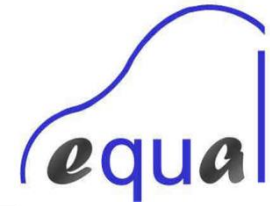
- **a light quadricycle (L6e)** on the public highway is currently a full **AM category licence**.
- **a heavy quadricycle (L7e)** is a full **B category licence**.

✓ **Approval and market surveillance:**

- **The Directive 92/61/EC and 2002/24/EC concerning the reception of two- or three-wheel vehicles:** legal basis to the manufacturing and licensing of quadricycles.
- **The new Regulation n°168/2013 of 15 January 2013 on the approval and market surveillance of two- or three-wheel vehicles and quadricycles (1 January 2016) :** general requirements for functional safety and environmental protection of these vehicles and repeal the above Directives.



# GROWTH AERA FOR ELECTRIC QUADRICYCLES (1/2)



## ✓ In the UK:

**EQUAL would like to promote electric quadricycles in the Government's** new ultra low emission vehicle strategy, especially concerning: **consumer and tax incentives for the purchase of ULEVs** (ultra low emission vehicles).

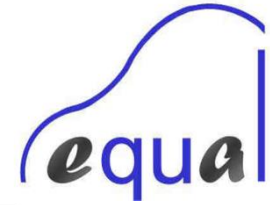
EQUAL wants **electric quadricycles to be integrated** in:

- Plug-in Car and Van grants (of up to £5,000 and £8,000);
- ULEVs exemption from Vehicle Excise Duty;
- ULEVs being zero rated for company car tax;

EQUAL supports the **network of charging points** and **other infrastructure** making ULEVs an attractive proposition (for example, Source London).

## ✓ **Examples in others countries in Europe:** France and Germany.

# GROWTH AERA FOR ELECTRIC QUADRICYCLES (2/2)



## ✓ Research areas:

Technological Research and Development: **EQUAL's research which is conducted in the automotive sector supports new development programmes.**

For example:

- ***Aixam** in joint partnership with Michelin created a consortium of innovative technology: development of a **wheel-motor**.*
  - ***Drive Planet** has developed a vehicle entitled **VIPA**, a vehicle without a driver transporting people over short distances, currently being tested in a hospital in France.*
- ➔ Manufacturers develop innovative technologies depending on their human and financial resources.



## ✓ **European Euro Normes for quadricycles:**

- transition to **Euro 3**: 1 July 2014 ;
- transition to **Euro 4**: 1 January 2017 for L6 and 1 January 2016 for L7 ;
- transition to **Euro 5**: 1 January 2020 for L6 and L7 .

Vehicle and Engine manufacturers ensure they are ready for the transition to Euro 3 and Euro 4 standards. Taking into account financial and technical resources, quadricycle manufacturers are concerned with the process of **transition to Euro 5** standard (1st January 2020 ).

Insofar as it is difficult from a technical point of view for manufacturers to comply with the requirements induced by Euro 5 standard for quadricycles, EQUAL proposes an additional step between the passage of Euro 4 and Euro 5.

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# Thank you for your attention !

**General  
discussion**

**Cecilia MALDONADO** <http://www.equal-mobility.com/>

[cmaldonado@arcturus-group.com](mailto:cmaldonado@arcturus-group.com)

+33 4 91 90 14 52