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## **AUDIT SUCCESS FOR SOMACA AND AVTOFRAMOS BRINGS ISO 14001 CERTIFICATION TO 100% OF RENAULT INDUSTRIAL SITES**

- Through wide-scale implementation of network-based environmental management practices, ISO 14001 certification now extends to 100% of Renault industrial sites and industrial subsidiaries worldwide.
- Somaca (Morocco) and AvtoFramos (Russia), which recently reached full-capacity production, were the last two sites to be awarded ISO 14001 certification by accredited independent certification organizations
- With its Renault eco<sup>2</sup> signature, Renault undertakes to offer a range of affordable environment-friendly vehicles. Manufacture at an ISO14001-certified plant is one of the three criteria for obtaining the eco<sup>2</sup> signature.

### **ISO 14001: international certification**

ISO 14001 certification (by the International Organization for Standardization) attests to a site's commitment to continually improve its environmental management and reduce the ecological impact of its operations. Certification is issued on successful completion of an in-depth audit by independent accredited organizations (UTAC<sup>1</sup> and SGS<sup>2</sup>, for Renault sites).

The certification procedure involves several stages, starting with:

- In-the-field analysis of environmental impact
- Definition of objectives and targets
- Implementation of a regularly audited progress plan

This procedure presupposes that all site personnel are properly informed and fully mobilized.

To progress in environmental management, Renault carries out yearly internal site audits consistent with the ISO 14001 standard, merging specialist input from both site personnel

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<sup>1</sup> Union Technique de l'Automobile et du Cycle, official testing organization recognized by European and worldwide authorities

<sup>2</sup> SGS, world number-one in testing and certification

and environment experts. This strengthens site personnel skills in environmental matters and stimulates networking across different sites.

### **Ten years of environmental management certification**

Sandouville was the first Renault site to achieve ISO 14001 certification, back in December 1998. The same year, the powertrain plant at the Ayrton Senna complex in Brazil was designed to work under zero-industrial-discharge conditions, thus protecting the site surroundings, 60% of which are considered protected biodiversity areas.

Whenever Renault sets up a plant in a new country, it pays the greatest attention to economic, environmental and social development. A good example is the Pitesti site in Romania, which was consolidated under the Renault group in 2002 and obtained initial ISO 14001 certification in 2005.

Somaca in Morocco was consolidated in 2006, and the site obtained ISO 14001 certification in early 2008. Substantial human and material investments have been made here to reduce the environmental impact of operations. A new physical-chemical industrial effluent treatment plant will be started up at Somaca in 2008. Another significant example is the global waste management system, compliant with European standards, set up in 2007. And action plans on the manufacturing system brought energy savings per car of 15% in 2006 and 22% in 2007.

The AvtoFramos site in Russia came under Renault group consolidation in 2005 and became the last Renault group to obtain ISO 14001 certification, in April 2008. Efforts here focused primarily on personnel education in environmental matters.

### **Grassroots efficacy for environmental management system**

Environment issues take a central place in the Renault Production Way. As early as 1995, Renault set up an environmental management system. It applies to all sites worldwide, but factors in the local specificities at each plant. The main feature of this system is that it is based on a group-wide network of ecology correspondents.

The originality of Renault's environmental management system is that it involves teaching ecological principles to personnel in each manufacturing function, rather than teaching industrial processes to environment specialists. The result is a network of around 600 correspondents across all sites (18 different functions and 14 different countries). This arrangement is highly conducive to information and skills interchange. Best environmental practices are effectively propagated throughout the group, collective skills are developed, and a culture of ecological responsibility is gradually built up across the whole workforce.

### **Conclusive results**

Environmental management at Renault sites has yielded the following results over the last ten years:

- 25% reduction in energy consumption (kW per vehicle)
- 61% reduction in water consumption (m<sup>3</sup> per vehicle), a saving of 10 million cubic metres in all

### **Communications Department**

1967 rue du Vieux Pont de Sèvres – 92109 Boulogne Billancourt Cedex

Phone +33 (0)1 76 84 64 69 – Fax +33 (0)1 76 89 08 56

Websites [www.renault.com](http://www.renault.com) & [www.media.renault.com](http://www.media.renault.com)

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- 64% reduction in waste (kg per vehicle)
- 34% reduction in volatile organic compounds (kg per vehicle)
- 47% reduction in toxic discharge into water medium

### **Coherent, auditable management system**

In 1999, Renault introduced formal audits to check data on the environmental impact of its industrial sites, along the lines of its financial audits. With its robust reporting system, driven by a well-structured environment network and strong commitment from people at head office and individual sites, Renault obtained very reasonable audit ratings from the outset. Indeed, Renault is among the highest-rated companies for good environmental reporting practices at national and international level.

### **Renault eco<sup>2</sup>**

In 2007, Renault launched the Renault eco<sup>2</sup> signature to identify and promote its line-up of economical and ecological vehicles. To earn the Renault eco<sup>2</sup> badge, a car must meet three criteria. First, it must emit under 140 grams of CO<sub>2</sub> per km (or run on biofuel). Second, it must be made at an ISO 14001 certified plant. Third, at least 5% of its plastics content must be sourced from recycled materials, and the end-of-life utilization rate must be at least 95%.

Renault eco<sup>2</sup> vehicles are **ecological** in terms of measurable results throughout the vehicle lifecycle.

They are **economical** in terms of fuel consumption and affordable technologies.

Commitment on respect for the environment extends across the whole of the Renault workforce, to achieve progress that is tangible across all customers. Economy and ecology go hand in hand, to ensure massive-scale reductions in environmental impact. Environmental improvements are sought across the largest possible employee base, to make ecology-friendly products for the largest possible customer base.

Press contact: Olivier Floc'hic, +33 (0)1 76 84 64 69  
[www.media.renault.com](http://www.media.renault.com) & [www.renault.com](http://www.renault.com)

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## Sites certified to ISO 14001

Site	Date of certification
ACI Le Mans	20/10/2006
ACI Villeurbanne	20/10/2006
ACI Romania	20/10/2006
Aubevoye	15/06/2006
Guyancourt / TCR	08/06/2007
Batilly (Sovab)	26/04/2007
Bursa (Oyak)	06/07/2005
Cacia	25/01/2007
Choisy le Roi	13/07/2007
Cléon	10/10/2007
Ayrton Senna complex	28/12/2006
Pitesti (Dacia)	15/06/2006
Dieppe (Alpine)	31/01/2007
Douai	16/03/2007
Flins	30/03/2007
Córdoba foundry	20/12/2005
Grand Couronne	09/11/2006
Lardy	30/11/2006
Maubeuge (MCA)	12/05/2006
Novo Mesto (Revoz)	28/06/2007
Palencia	15/03/2007
Busan	23/02/1999
Los Andes (Cormecánica)	29/06/2007
Vilvoorde (RIB)	06/06/2007
Rueil	21/12/2006
Ruitz (STA)	15/03/2006
Sandouville	29/03/2007
Santa Isabel Córdoba	26/10/2006
Sevilla	07/06/2005
St André de l'Eure (Sofrastock)	15/09/2006
Valladolid body assembly	15/02/1999
Valladolid engines	03/06/1999
Villiers St Frédéric	16/06/2006
Medellín (Sofasa), Colombia	04/11/2005
Tandil	19/11/2005
Kiheung	28/05/2006
Somaca	06/02/2008
Avtoframos	04/04/2008

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