

Autoeuropa



**Environmental Indicators
2006**

MANAGEMENT COMMITMENT



A handwritten signature in black ink, consisting of a large, stylized 'B' followed by a series of loops and a horizontal line.

Bruno Torres
Planning, Environment and
Infrastructures Business Manager

This Environmental Indicators brochure should be seen as an update to the information published in our last Environmental Report 2005, and is to be understood as an attachment to it.

We intend to continually communicate the progress status of our environmental objectives, as well as to report our indicators regarding production volumes, raw material consumption, natural resources and energy consumption, waste production, liquid and atmospheric effluents and environmental expenditures (running costs and investments). Regarding environmental noise, no new measurements were made, thus we will not repeat here the previously published results. The recent evolution in the environmental noise law will lead to a new assessment, which shall be published in a future Report.

In 2006 we saw our environmental efforts recognized once more, not only given to the good results achieved in both external audits, but also based on the increasing interest from external parties on our Environmental Management System. This interest is evidenced through the numerous visits we received, and the invitations to share our experiences at technical workshops. We also received an update to our Environmental Licence, which implied some investments referred in the last section of this brochure.

As the member of Volkswagen Autoeuropa Board responsible for Environmental Management, I am proud of our environmental management and of the efforts we have done all over these years to keep a responsible attitude on these matters. I believe the only long-term way for industry is the sustainable development, and at Autoeuropa we take a step of that long way everyday.

OBJECTIVES AND RESULTS 2006

Maintain Environmental Certification according to ISO 14001:2004 Standard.	ONGOING
Maintain compliance with legal requirements.	ONGOING
Awareness and Communication: <ul style="list-style-type: none"> · Promote environmental education with schools or universities; · Publish an Environmental Report and communicate it over the intranet and internet; · Articles in local newspapers. 	ATTAINED
Improve waste storage conditions.	PROJECT DEFINED
Optimize the Energy Management System. Several actions to reduce electricity, natural gas and compressed air consumption.	ONGOING
Reduce natural gas consumption by 250 Nm ³ per production day. Reduce demineralised water consumption by 48 m ³ per production day.	ATTAINED
Influence the activities of the companies in the Suppliers Park, in the sense that they create environmental management systems of their own and that they work for a continuous improvement of their environmental accomplishments.	ONGOING
Continue to use TPM as a tool to indirectly improve the environmental awareness level in the workplace and, if possible, implement it in more non-production areas.	ATTAINED
Monitor the sealer paste consumption in the Cabrio line per product type so that, by the end of 2006, a measurable objective for 2007 may be established.	ATTAINED
Reduce stamping oil consumption: application of 6 ml/part, equivalent to a reduction of 0,89 ml/part regarding to 2005.	ATTAINED
Reduce steel consumption by 0,5 Kg/car (MPV) regarding to 2005.	ATTAINED
Improve the waste fluids collecting system in the repair areas, in order to reduce the volume of oily wastewater.	ATTAINED

ENVIRONMENTAL OBJECTIVES 2007

Maintain and renew the ISO14001:2004 certification.

Meet or go beyond environmental legal and other requirements.

Awareness and communication:

- promote Autoeuropa's environmental efforts in schools or universities, through presentations in their own facilities or study visits;
- publish an updated Environmental Indicators brochure and distribute it on the intranet/internet;
- conclude the improvements in the waste area near the contractors park.

Implement an alternative overbody transportation protection to replace the current solvent-based wax application.

Continually monitor the energy consumption and implement several activities in order to reduce electricity, natural gas and compressed air consumption.

Reduce sealer consumption by 1%/car (Eos).

Reduce steel consumption by 4,2 kg/car (MPV) and 4,4 kg/car (Eos), in comparison with the year 2006.

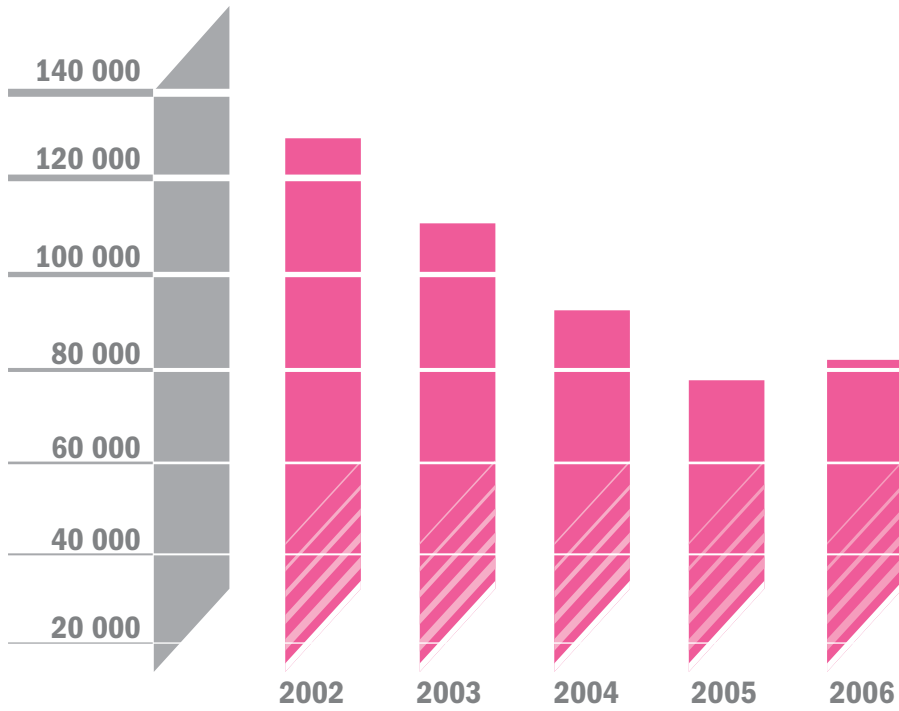
Influence contractors activities in order to stimulate their adoption of environmental management systems and to improve their environmental performance.

Reduce basecoat consumption by 0,5 l/car and S025 solvent consumption by 1,8 l/car, in comparison with the year 2006.

Eliminate dismissible paper towels and paper cups in the canteens.

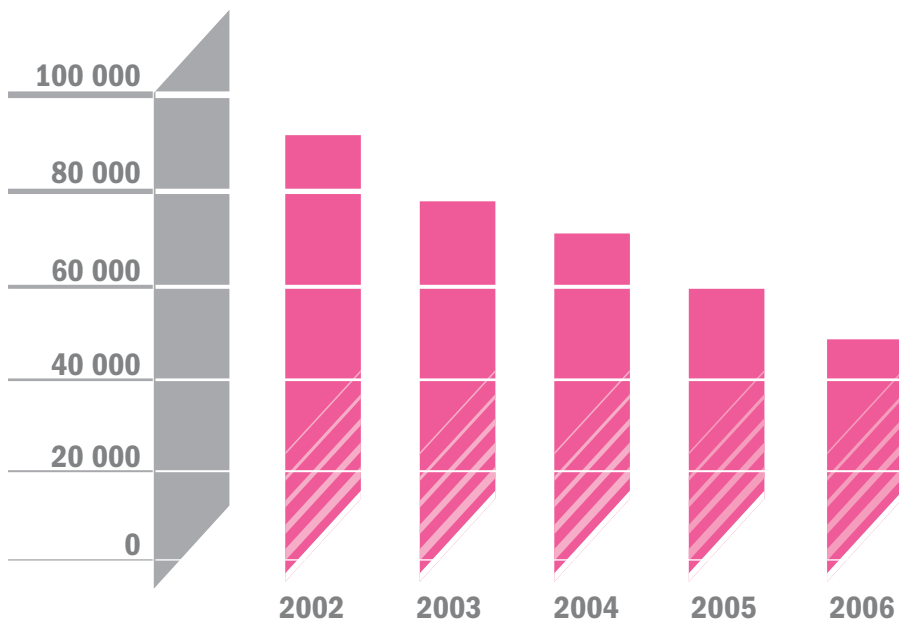
Apply to the Eos assembly line a recovery scheme concept to the plastic parts that result from this process.

VEHICLE PRODUCTION

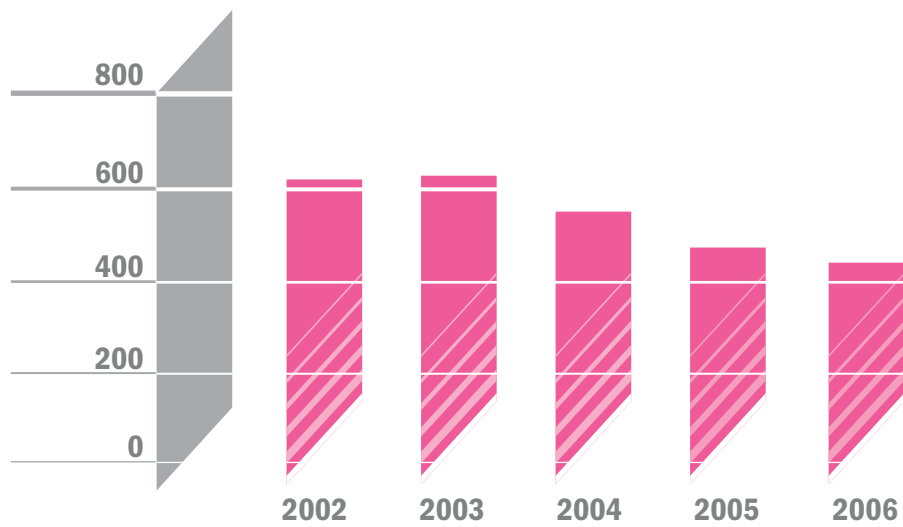


RAW MATERIALS CONSUMPTION

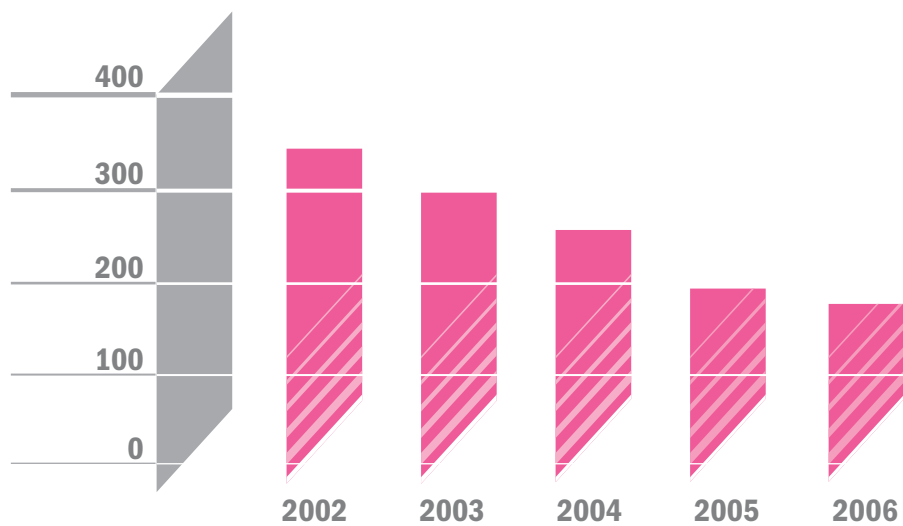
STEEL CONSUMPTION (TONNES)



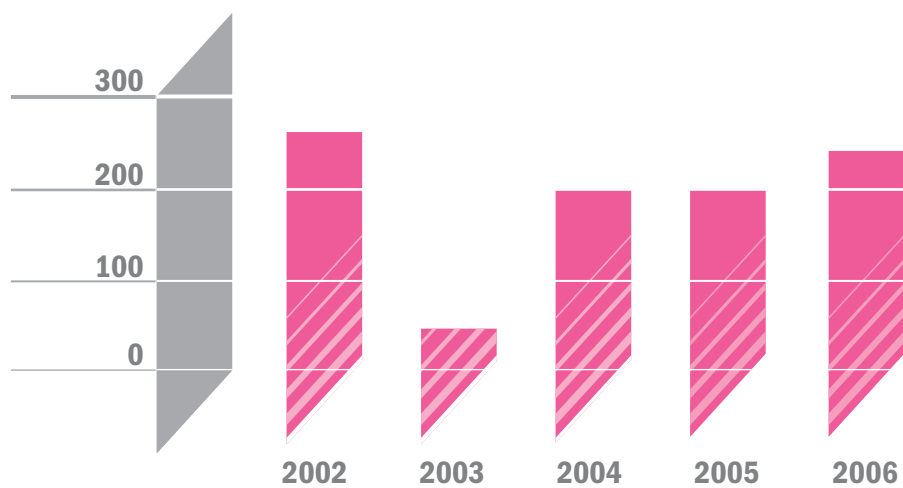
PAINT CONSUMPTION (TONNES)



CLEARCOAT CONSUMPTION (TONNES)



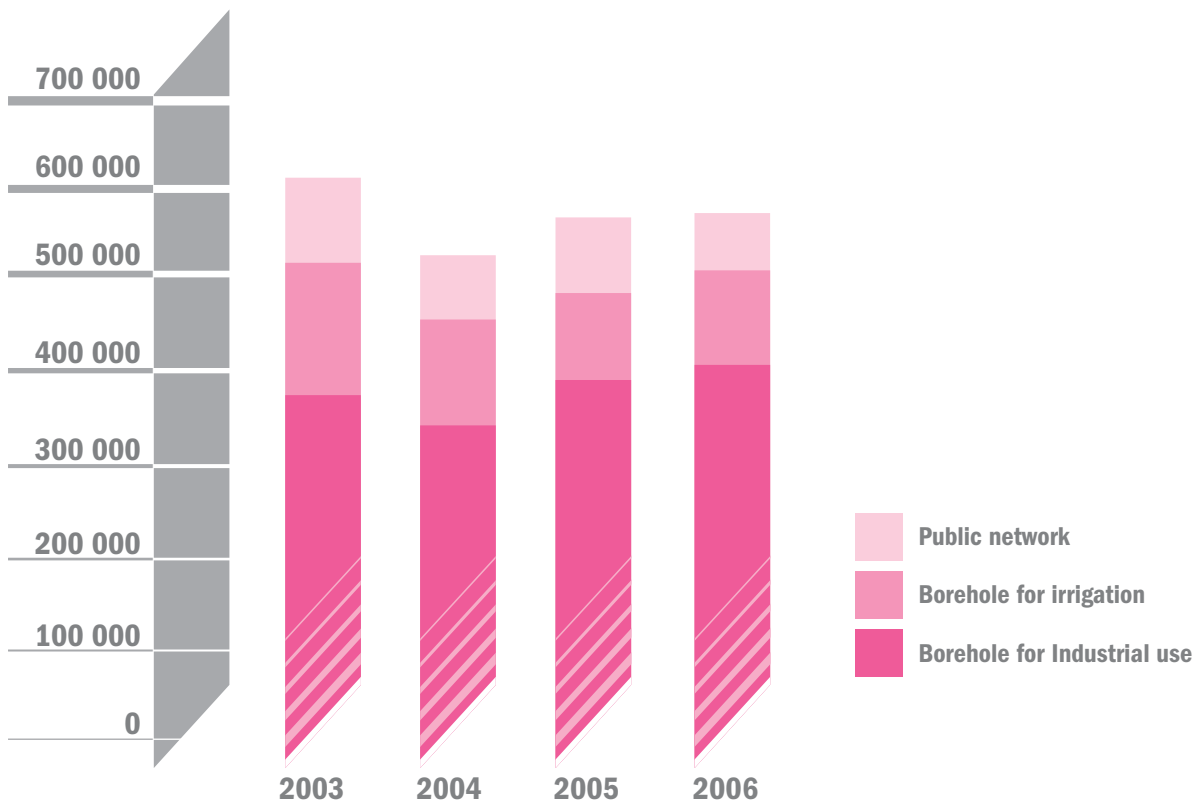
CLEANING SOLVENTS CONSUMPTION (TONNES)



2003 was atypical in terms of solvent consumption, since the shown figure is abnormally low.

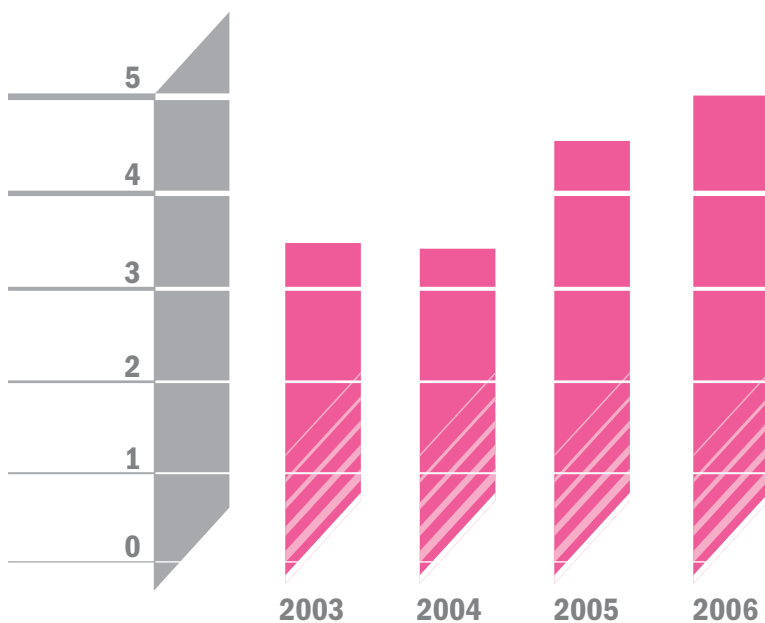
NATURAL RESOURCES AND ENERGY CONSUMPTION

TOTAL WATER CONSUMPTION (m³) PER TYPE OF USE



Due to a malfunction of the main flow meter, 2002 can not be represented.

SPECIFIC INDUSTRIAL WATER CONSUMPTION (m³/vehicle)

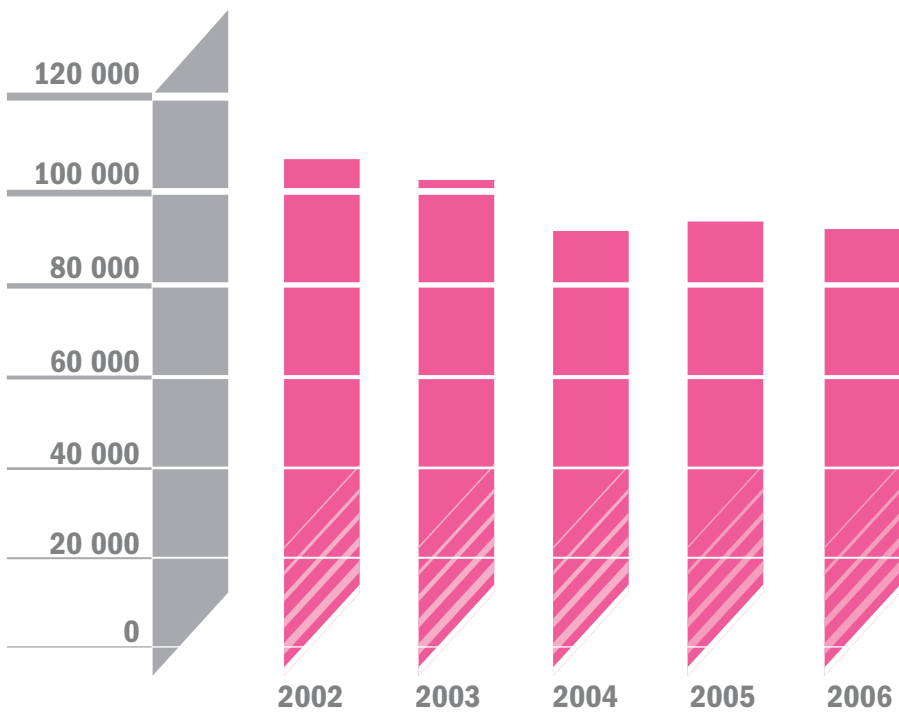


TOTAL (m³) AND SPECIFIC INDUSTRIAL WATER CONSUMPTION (m³/vehicle)

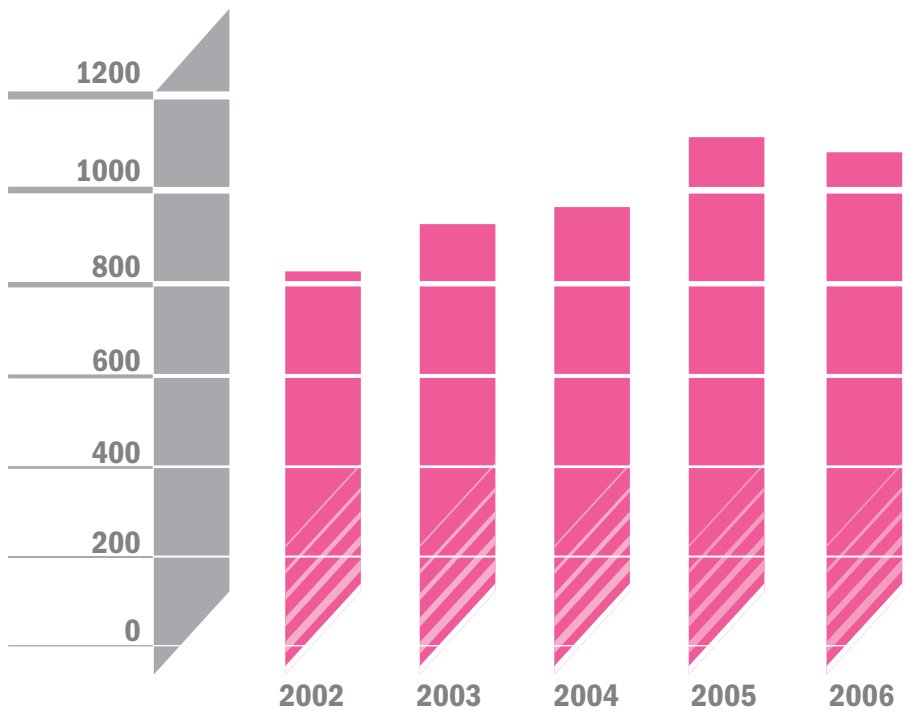
— Total consumption
— Specific consumption



TOTAL ELECTRICITY CONSUMPTION (MWh)

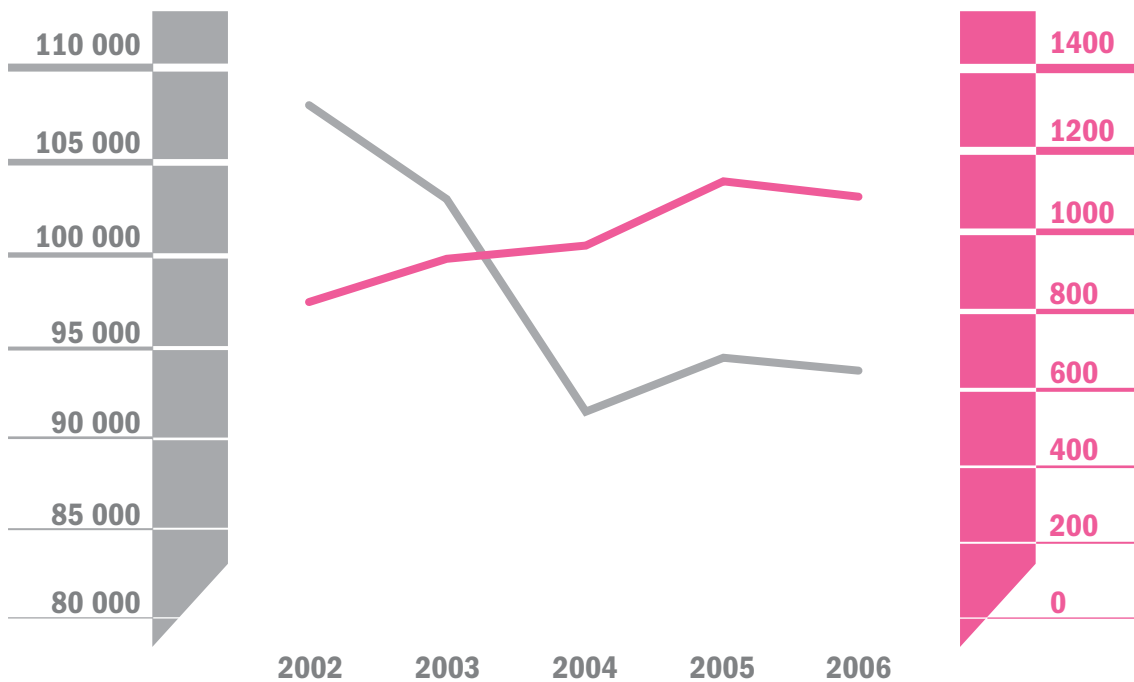


SPECIFIC ELECTRICITY CONSUMPTION (MWh/vehicle)

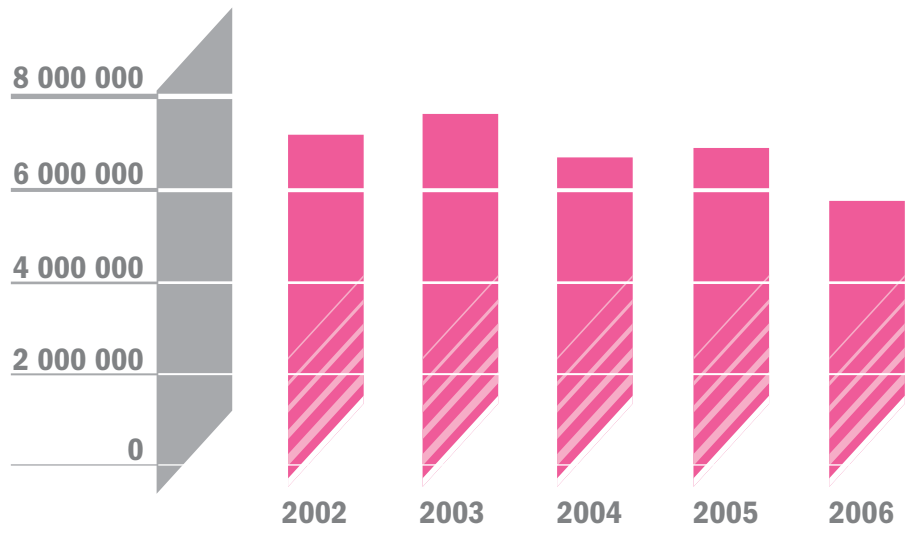


TOTAL (MWh) AND SPECIFIC ELECTRICITY CONSUMPTION (MWh/vehicle)

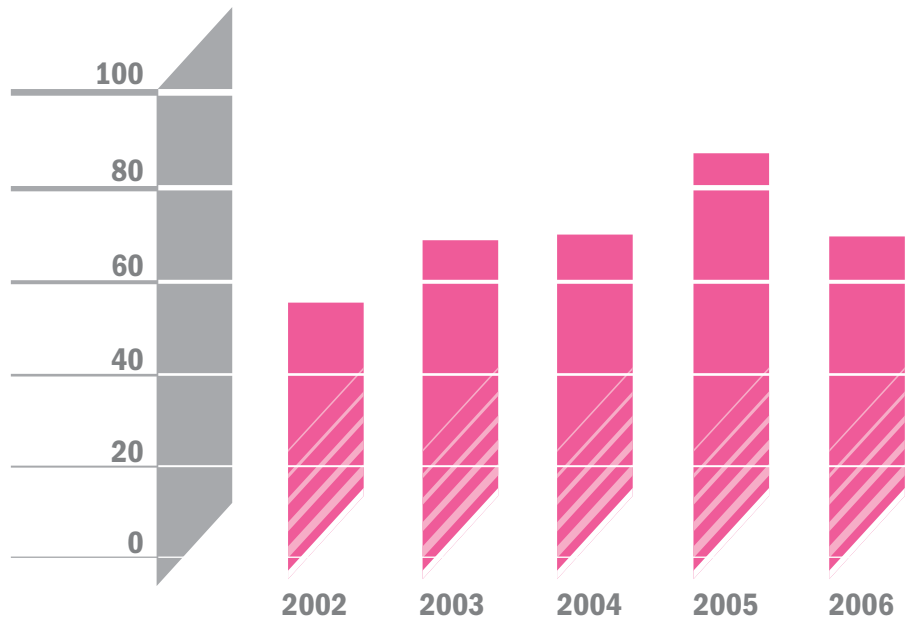
— Total consumption
— Specific consumption



TOTAL NATURAL GAS CONSUMPTION (Nm³)



SPECIFIC NATURAL GAS CONSUMPTION (Nm³/vehicle)



TOTAL (Nm³) AND SPECIFIC NATURAL GAS CONSUMPTION (Nm³/vehicle)

— Total consumption
— Specific consumption



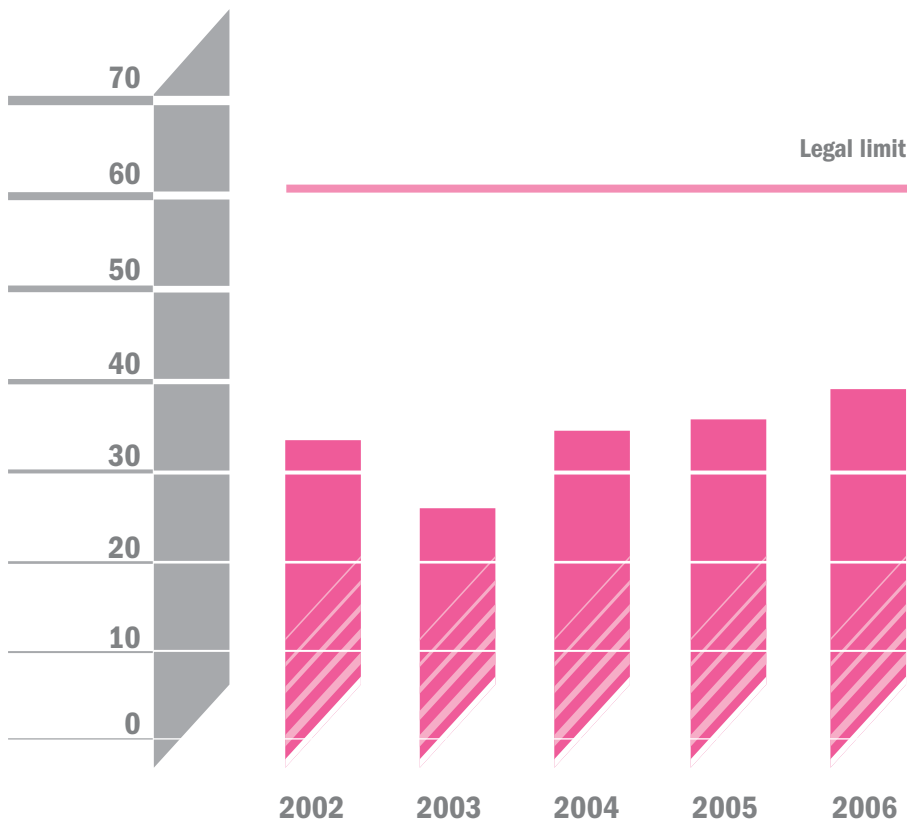
WASTE PRODUCTION

HAZARDOUS WASTE (TONNES)	2002	2003	2004	2005	2006
Paint sludge and enamels with organic solvents or other hazardous substances	657	699	451	466	582
IWWTP sludge	763	663	429	428	515
Sealer or glue waste containing organic solvents or other hazardous substances	245	120	167	265	209
Hydrocarbons group of waste	206	362	217	214	457
Phosphate sludge	87	105	84	72	49
Water-based suspensions with paint and enamels, with organic solvents or other hazardous substances	431	62	56	70	47

NON-HAZARDOUS WASTE (TONNES)	2002	2003	2004	2005	2006
Ferrous metal shreds and fillings	43867	36788	33855	28163	24936
Iron and steel	145	595	1682	1047	1317
Wood packaging	1086	846	756	756	420
Cardboard and paper packaging	1460	1164	767	633	430
Waste (including mixtures of materials) from mechanical waste treatment	129	750	566	405	418
Biodegradable waste from kitchens and canteens	248	247	245	252	245

ATMOSPHERIC AND LIQUID EFFLUENTS

VOC EMISSIONS (g/m²)



MAIN WASTEWATER POLLUTANTS

Average concentration of the most relevant pollutants in our final effluent before municipal biological treatment (mg/l)

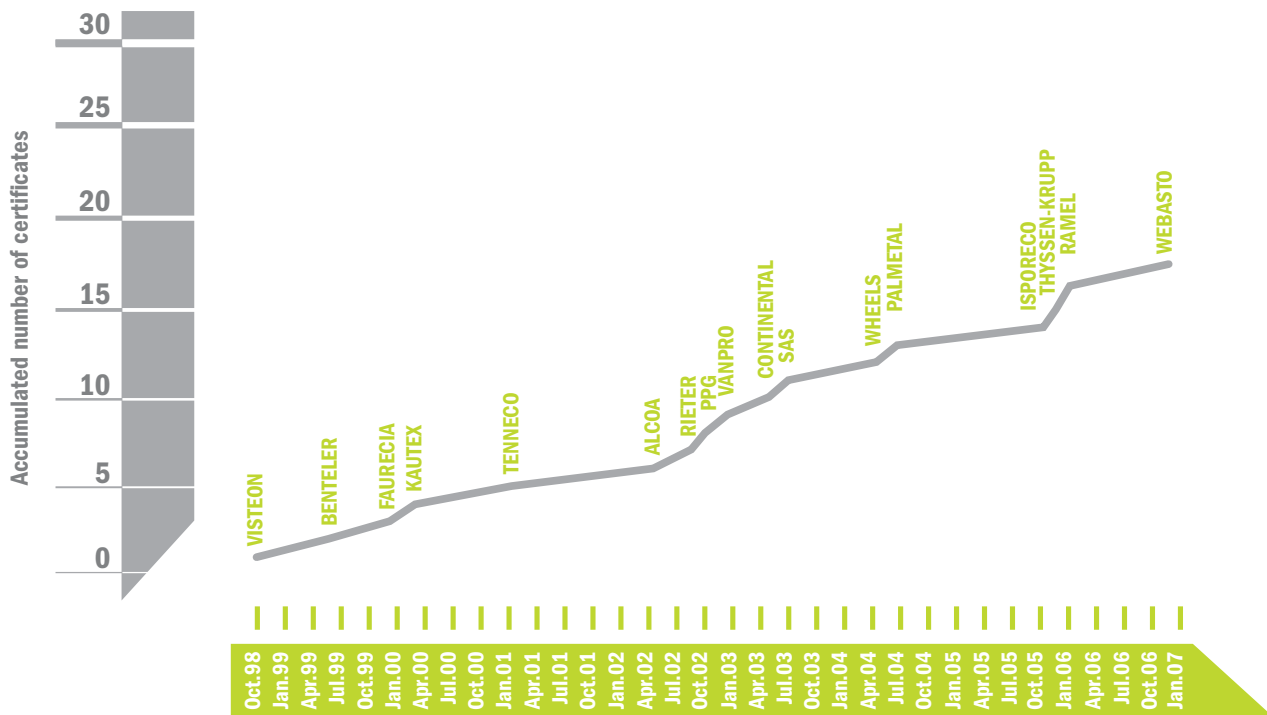
Year	Al	Mn	As	Cr VI	Ni	CN	Mineral oils	Zn	Pb	Cd	Cu
2003	2.53	0.72	0.003	<0,04	0.86	0.013	8.36	(a)	<0,5	<0,1	<0,1
2004	1.36	0.77	0.008	<0,04	0.52	0.012	8.73	0.33	<0,5	<0,1	<0,1
2005	0.86	0.96	0.003	<0,025	0.48	0.019	7.67	0.37	<0,025	<0,005	0.08
2006	11.724	1.16	0.004	<0,025	0.729	0.011	2.07	1.67	<0,02	0,004	0.03
Guiding value	10	2	1	0,1	2	0.5	15	nd	1	0,2	1

(a) Monitoring of this parameter started in 2004 only.

(nd) Not defined

Al: aluminium; Mn: manganese; As: arsenic; Cr VI: hexavalent chromium; Ni: nickel; CN: cyanide; Zn: zinc; Pb: lead; Cd: cadmium; Cu: copper

MAIN SUPPLIERS WITH ENVIRONMENTAL CERTIFICATION



Environmental Certification achievement date (period 1998 / 2006)

Evolution of certified suppliers number

Running environmental costs (€)

Waste management	1 429 880
Total costs with the IWWTP	109 777
Environmental services, consultancy and others	26 016
Atmospheric emission measurements	16 079
External audits	7 399
TOTAL	1 589 152

Environmental investments (€)

Modifications in the stacks	158 600
Energy saving actions	108 225
Improvements in the paint-stripping unit	64 164
Improvements in the IWWTP	29 087
TOTAL	360 075

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