



## PRESS RELEASE

### **PIRELLI EXPORTS TO AUSTRALIA ITS TECHNOLOGY FOR REDUCING CO2 EMISSIONS**

**The waste-derived fuel produced under Pirelli patent will be utilised in thermoelectric power plants and cement plants, partially substituting coal**

*Milan, 22 June 2010* – Pirelli Ambiente, the company in the Pirelli Group operating in the field of renewable energy, signed a licensing agreement with Bosco International, which promotes systems and industrial processes for a sustainable environment, which will allow the Australian company to use the Pirelli patent for production of high quality solid recovered fuel (HQ-SRF) derived from municipal solid waste (MSW).

The Pirelli technology will initially be used in the Latrobe Valley in Victoria, Australia, as part of the program 'Towards Zero Waste Policy' introduced by the local government for containment of waste, with the aim of converting the 600,000 tons of MSW produced annually by the city of Melbourne into fuel. In particular, the exchange of technology will stimulate an investment by Bosco International to develop an HQ-SRF plant in Australia, once authorizations are obtained from local authorities.

The Pirelli HQ-SRF is obtained by adding other components with a high calorific power ( plastic from D.C. and rubber) to dry solid urban waste. It can be used to partially replace fossil fuels in already existing, non-dedicated, plants, such as cement works and thermal power plants and it yields significant environmental benefits for the population, both in terms of lower emissions in particular of CO<sub>2</sub>, NO<sub>x</sub> and SO<sub>2</sub> from fossil fuels, and in economic terms (lower waste disposal costs).

The integrated system promoted by Pirelli Ambiente has been successfully used since late 2002 in the Cuneo Provincial Authority Area, with the Idea Granda project, a public-private partnership owned 49% by Pirelli, and 51% by local utility ACSR, with cement works Buzzi-Unicem of Robilante, which uses HQ-SRF in its main burner substituting more than 40% of coal-petkoke needed. From its beginning, this system has meant energy recovered from waste in the area rose more than 32%, a level greater than the Italian average (7%) and greater than the European average (27%). In addition, according to a study by the University of Milan in Bicocca using the Life Cycle Assessment Method, use of Pirelli HQ-SRF is, respectively, 90 and 72 times more advantageous for the environment than landfills and incinerators.

#### **Pirelli Ambiente**

Pirelli Ambiente is the Pirelli Group company focused on renewable energy. In the field of renewable energy sources and, in particular, of energy recovery from MSW (Municipal Solid Waste), Pirelli Ambiente has developed and patented a High-Quality Solid Recovered Fuel (HQ-SRF). In the photovoltaic energy sector, Pirelli Ambiente created Solar Utility SpA, which invests in roof based solar energy systems for production in Italy.

#### **Bosco International**

Bosco International Pty Ltd, established in 2006, facilitates services, systems and processes for industry sectors seeking to create a sustainable environment, including saving energy or protecting resources. Bosco works with Australian and international companies, to offer sustainable environmental solutions. It seeks to achieve approvals and introduce new processes and systems for positive environmental results in: Waste management, Recycling, Power Generation, Manufacturing, Soil Remediation, Water treatment, Agribusiness, Natural Resources, Infrastructure, and Mining.