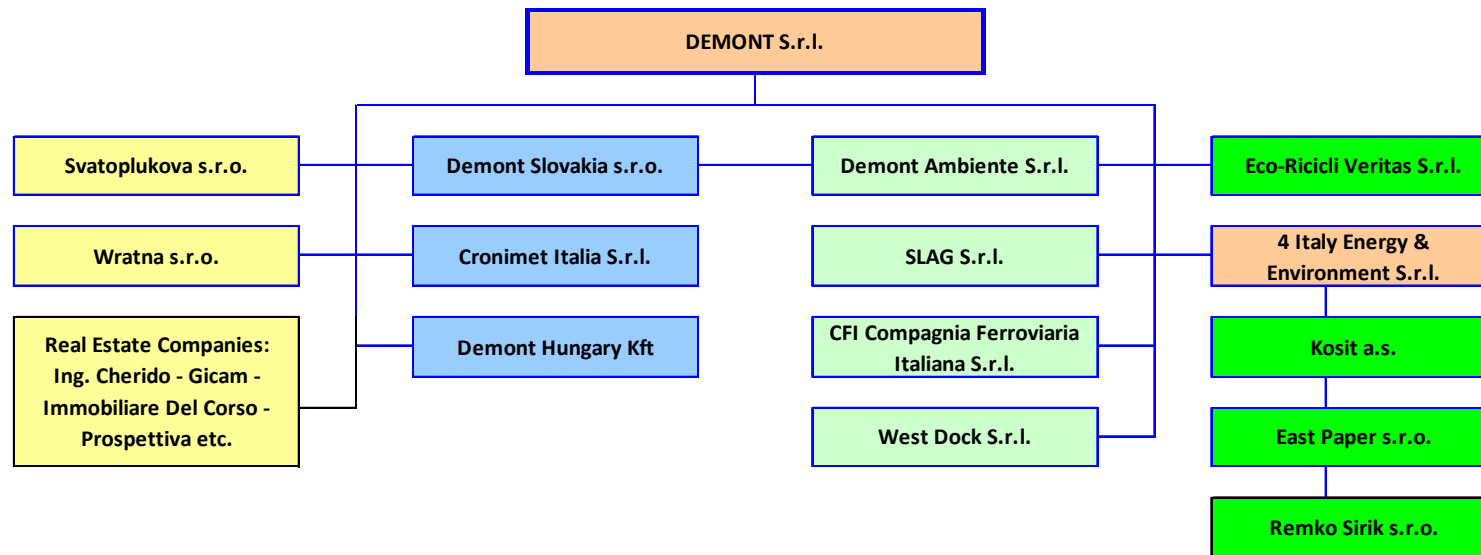


Scrap metal is the golden mine of the cities





HOLDINGS

REAL ESTATE

TRADING

SERVICES

ENVIRONMENT

DEMONT

**BUSINESS UNIT
METAL TRADING**



**BUSINESS UNIT
REUSABLES**



RECYCLE

&

REUSE



is
the fundamental
and
characterizing
principle of
DEMONT



A bright sun in the top left corner of a blue sky, with white clouds in the bottom right. The sun's rays are visible, creating a lens flare effect.

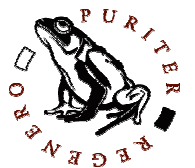
We truly believe that from a careful and professional handling of the material, we can generate:

- **a system where the enterprise is - at the same time - both its own *supplier* and *client*;**
- **new values for men and for the environment in which we live**

DEMONT

The Earth should be
seen as a spaceship,
on which the
availability of
everything has a
limit

Kenneth Boulding



ALUMINIUM



the extraction
process

is very expensive

its recycle allows

energy savings

IRON



is important

to produce steel

which is recyclable

all the times we want

COPPER




can be recycled
100%

all the times we
want

keeps its properties

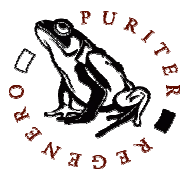
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Ferrous Metals

- # Ferrous metals (steels) are mainly composed of iron and have magnetic properties
- # Steel is by far the most-recycled material in the world; total steel production in 2011 reached **1.4 billion** tonnes, of which over **500 million** tonnes were made from iron scrap
- # The most commonly recycled items are scrap from industrial processes, end-of-life products such as cans, vehicles, appliances, industrial machinery and construction materials



Non-Ferrous Metals

- # The most commonly used non-ferrous metals are copper, zinc, nickel, aluminium, lead and tin besides titanium, cobalt, moly, precious metals and many others
- # Aluminium which is the most abundant metal in the earth's crust has great recycling potential and is often re-used for the same original application
- # Millions of tonnes of non-ferrous scrap are recovered annually and used by smelters, refiners, ingot makers, foundries, and other manufacturers



Recycling Processes

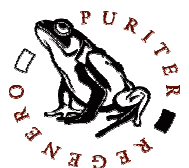
Ferrous Metals

Non-Ferrous Metals

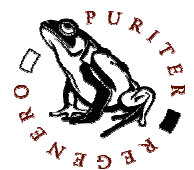
In general, metal recycling is a pyramid industry with many small collectors at the bottom feeding scrap to large companies at the top.

Recycling processes involve some or all of the following steps:

- **Sorting** (manual or technological) different metals needs be separated from each other
- **Shredding and extracting** iron and steel from the mixture of metals and other materials
- **Separation techniques** use shredders, magnetes, eddy current, high-pressure air flows, liquid floating systems and others
- **Cutting and baling** iron and steel products are cutted or compacted into blocks to facilitate handling, transportation and melting
- **Melting** in furnaces into ingots, semi or finished products



ALUMINIUM CANS RECYCLING





nickel and alloys

aluminium and alloys

stainless steel

titanium and alloys

iron and alloys

tungsten

cobalt

copper-nickel alloys

chromium

vanadium

copper

super alloys

**WHY IS IT SO IMPORTANT
TO RECYCLE METALS???**

The perfect cycles of nature are reproduced where everything is transformed and reused; by **recycling** we close the circle moving from waste to resource

Reduction in the use of raw materials taken from nature, saving energy and water

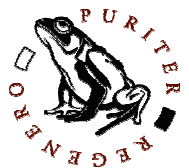
Less unsorted waste to be disposed of with considerable advantages for the health and for the environment



Decrease of our environmental pressure on the Planet

Increase of an alternative industry sector and subsequent increase in new jobs and wealth

Promotion of research, eco-innovation and competitiveness



All this is only possible through:

a strong **education** to
RECYCLING



and

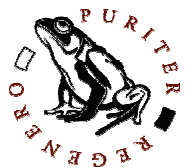
an effective system of
waste **separate**
collection

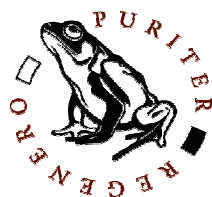




For us the biggest challenge is to demonstrate that
environmental issues are not a constraint to
development,
but a great opportunity for the evolution
market.

THANK YOU FOR YOUR ATTENTION!





Kosice, 18 October 2012

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