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Contents

4 Foreword Rudolf Wiedner

6 New Law

7 Plastic Recycling

9 Composting

11 Recycling in large style

13 Events







Dear readers!

The HUKER group can look back on 25 years experience in the waste area.

Thanks to our technical development in the last year we are one step closer to reaching our target to further improve the quality of our recycling methods.

We are thinking of the future of mankind. In 2050 there should be around 9 billion people on the earth and correct association with resources will be decisive. We can find a huge energy potential in waste. We have to find the right way from the „throw away society“ to sustain yield and so to save urgent required raw materials, energy and to reduce the environment pollution. Therefore we are making a special effort to constantly increase the recycling rate of our company group. At the moment we already have a recycling rate of 51 %, moreover we are saving around 200.000 kg of CO² per year by using our recycling methods.

For many years we have been making extensive waste analysis in our municipal collecting areas in order to recognize accurately timed savings potentials. Our analysis shows that around 70 – 80 % of household waste can be recycled!

“Please help us by separating the waste, this saves raw materials.”

The waste economy changes more and more into raw material economy worldwide . The extraction of raw materials requires high costs and energy use.

In our waste there are a lot of and especially high-quality raw materials.

With the modern waste recycling methods, packaging could be recycled again, like for instance:

PET bottles → PET bottles,

glass bottles → glass bottles,

aluminum cans → aluminum cans, and more.

For some time we have also been dealing with plastic waste in a meaningful way. And that's why we are producing own composters made out of plastic waste. We are especially proud of the development of our own roof tiles, which are also made out of plastic waste. We are happy to see that our roof tiles have already sold very well in the first year.

We would like to thank our business partners and our clients very much for the superior co-operation.

We will only be able to reach this target together.

A handwritten signature in blue ink, appearing to read 'Rudolf Wiedner'.

CEO Rudolf Wiedner



Vision of the future

- We aspire a certification as producer of lower ground. At the moment we are working on the perfect mixture, how to make out of compost flower ground. We already have pass the first examination and we expect the authorization of production by the End of 2013.
- A further target is a complete as possible waste recycling. That means, that as few waste as possible land on landfill.
The first step is the recycling.
The second step concerns the utilizable energy. A high Know How is necessary to reach the optimum mixing for the highest energy efficiency.
Therefore we have already initiated the required steps and so we will built a new location with high modern technology.

Innovations

A new waste management law in Hungary valid from 1.1.2013

This new waste management law was necessary on the basis of law adaptation according to the EU law.

The innovations are carried out on all relevant levels:

What are the main points?

- communal service provider must be at least 51 % in urban or state hand.
- from 1st January 2013 a landfill tax of 3.000 HUF/ ton was introduced. The landfill tax increases annually by 3.000 HUF/ ton, until it reaches 120.000 HUF/ton. Thereby it should be given a guidance or rather an economical incentive. From 2015 there is an obligation to a comprehensive waste separation.
- Also a separation between communal services and industrial disposal is required.
- All waste management activities are checked even more stringent or rather the record duty and handling are executed by strict guidelines.



Our

Locations

- 1 Austria**
- 1 Czech Republic**
- 2 Romania**
- 2 Croatia**
- 17 Hungary**

Plastic Recycling

Altogether in 2012 the HUKE Group recycled around 25.000 tons of plastics.

PET, LDPE, HDPE, PP, PS, PVC, ABS, EPS, EPE, etc.

Plastic Bottle Recycling

One of the most modern PET bottle recycling plant of the world is run by our together company Sárvári HUKE Kft. Out of ground PET bottles, which are called in technical language „Flakes“, arise again a high quality raw material, which is used again in the new production.

To reach always the best quality a constant improvement of the technology is very important.

For this reason, in the beginning of 2013 we made a new investment of more then € 600.000, – By the improvement of our quality our products learn even better sales.



We also produce our own products

1) Composter made out of 100% recycled plastic

The HUKE Group produces a self developed composter out of 100 % recycled plastic. With the use of plastics it has a particularly long life.

We are very happy, that these products are on demand from our clients.

2) Column and profiles out of plastic

More and more products made out of recycled plastic are being sold on the basis of the high durability or rather availability and length of life.



3) Roof tiles made out of recycled plastic – Absolute Novelty!!

The development of this innovative product and the construction of the producing line took more than 3 ½ years .

Our product, of course, has the product authorization by „EME“

By the admix of specific plastics our product achieves significant advantages, for instance: safety against rupture, resistance against hail , relative low weight and fast roof installation.

More information: www.sarvarihuke.hu

- 1) Plasic composter
- 2) Plastic profiles
- 3) Plastic roof tiles



Composting or rather

Compost production!

In 2012 around 4,000 tons of organic kitchen and garden waste was processed to compost. Here it is particularly important to look accurately at the quality during collection. For professional composting several modern plants and professional staff is necessary. We are particularly proud of our final product, which sells well. A lot of satisfied customers confirm our quality again and again .

Applications: flowers, horticulture , agriculture, agrarian



- 1 covered compost heaps
- 2 mixture
- 3 test garden
- 4 test garden

More information: www.sarvarihuke.hu

Kitchen and garden waste

We should put this waste back into the ground, at any rate. Compost is not only a natural fertilizer, it also improves the soil and stores moisture in the ground.

Kitchen and garden waste only causes problems on landfill like: methane gas production, leak water burden, etc...



Waste for the energy production

For many years the HUKÉ group has also been dealing with the preparation of waste for the energy recovery in cement factories, power stations, etc...

Several thousand tons of calorific rich waste lands in cement factories or power stations every year . In those factories energy is made out of waste.

In 2012 we bought a new shredder to fulfill the requirements better.

Energy out of wood waste

Many years ago a wood recycling method was introduced to some factories to supply them with energy for heating and for the power production. In Western Europe raw material wood has been a popular heating material for the energy production for years.

The energy prices, especially for gas and electricity has increased constantly in the last years. So wood waste is much more interesting for the energy production.

„This is especially important because wood is a renewable raw material.“



Other Areas



Glass recycling

In 2012 the HUKE group has recycled around 20.000 tons of glass waste.

- bottle glass
- flat glass
- windshield glass
- etc.

HUKE has a high modern processing plant for glass waste in Zalaegerszeg .

The annual capacity is around 60,000 tons per year at the moment .

By recycling glass a lot of raw materials, for instance, quartz, sand, soda and a huge amount of energy, is saved.

A big challenge is to achieve the required quality of the end product!

To filter the contaminants like stones, china, ceramics, heat resistant glass, etc... is a huge challenge. These contaminations can only be filtered with the most modern technology.



Waste sorting plants

The HUKE Group has four sorting plants with an annual capacity of 30,000 tons for the sorting and treatment of waste (packaging).

With the help of our well trained staff and years of experience in the operation of sorting plants, we are able to sort efficiently and therefore reach a higher outcome of useful materials.

Professional sorting is reflected by the price level.

Paper and carton recycling

In 2012 our group collected around 70,000 tons of paper and carton and delivered to paper factories. Paper waste is a very valuable raw material for the new production in the paper industry. In the paper industry it is necessary to get different paper qualities for single products, which are generated by the HUKÉ group through the collecting and sorting system. It is especially important to produce a very high quality of raw material as it is everywhere else.



Rubble recycling

Lately we have started operational rubble processing, where rubble can be processed in different fractions. Since the introduction of a landfill fee on this waste, it is necessary to prepare the rubble waste and use it again as building materials.



Aluminum can recycling

We have an annual amount of 2,500 tons of aluminum cans. This quantity is collected by us and prepared and afterwards fed to the CAN to CAN recycling.

With this technology aluminum cans are recycled with low loss of aluminum cans. Of course, there is a lot of energy savings.

Therefore a high quality of collected products is necessary.

The collecting quantity has increased from 200 tons per year to 2,500 tons per year in the last four years. There is potential for further rise of quantity.

The raw material value for aluminum has been relatively stable for some time.



These Events prick out

Leading government politicians at Sárvári HUKÉ

The Fidesz-KDNP had a group meeting in Sárvár. In this course some leading politicians visited our location in Sárvár.

Kovács Ferenc President of County Vas

Soltész Miklós Secretary of State for Social Ministry

Dr. Nagy Andor President of the Development Committee in Parliament

Fejér Andor deputy President of the Development Committee in Parliament

Farkas Zoltán President of the County Békés

They could assure themselves, that the points mentioned in the new waste treatment law have already been implemented by the HUKÉ group for years.



Visit by politicians

Location visit in Sárvár of Mr. Jártas Antal OHÜ supervisory Board Chairman and Mr. V.Németh Zsolt Secretary of State for rural development.



Honorary Awards

Rudolf Wiedner was awarded a high honor of the comitat VAS for economical development on 15th March 2013 in Sárvár. Presented by second national Szijártó László.

Meeting of the Austrian and Hungarian Vulcan Land in Riegersburg.

Member of Parliament Mr. Ing. Ober, as well as Governor Mr. Marton Ferenc (County Vas), District captain Dr. Galántai György, District captain Mr. Gecse József and Mayor Mr. Keresztes István und Vice Mayor Mrs. Söptei Józsfné.



Mr. Gulyás Gergely Member of the Hungarian Parliament and Legal Committee leader visited our location in Sárvár.

The Social Secretary of State, Mr. Soltész Miklós and his wife visited our location in Keszthely. They could watch our composting.





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