

# PET-Upcycling in China

## Initial position, part 1:

- China has been the **largest trading power** since 2010 and the **second largest economy** in the world since 2012.
- China's economy grows unexpectedly fast at 6.4 percent (DerStandard, April 2019)
- The **Belt and Road Initiative** (BRI, "new Silk Road") involves a wave of Chinese funding for major infrastructure projects around the world, in a bid to rise geo-political and strategic influence. (BBC News, March 2019)
- The twenty-first century - most predictions at the turn of the millennium - would be the century of Asia. More precisely, it will be **the Chinese century**. When a bag of rice falls over in China today, the earth is shaking. (Die Zeit, January 2019)
- After all, China is the **biggest producer** of plastic waste and will at the same time become the **largest consumer of recycled plastic!**



## Initial position, part 2:

- Globally humans buy **a million plastic bottles per minute!**
- This adds up to **500 Billion per year.**
- **91%** of all plastic **is not recycled.**
- **Most plastic**, bottles included, ends up in either the **ocean or in a landfill.**
- It is estimated that by 2050 the **ocean** will contain **more plastic by weight than fish.**
- **People** who regularly **eat seafood** ingest up to **11,000 tiny pieces of plastic** each year.
- 90% of the waste in the oceans is plastic, and the vast **majority is from Asian countries!**

Forbes, July 2017



## Our Project

Nowadays this waste became valuable raw material. We bring the **worldwide No.1 PET-upcycling-methode** from Europa to China and will show how to create exceptionally profit with high-level-environmental technology.

- We build up a **technology center** for waste management and plastic recycling in Wuhan/China.
- We introduce a technology, which is able to fully meet the requirements, produced by **the world innovation leader** in this segment: NGR
- The **only equipment worldwide** which is able to **upgrade PET** by up to 20% with  $\pm 0,02\%$  accuracy – depending on the client's requirements.
- Patented process technology, a know-how that **cannot be just copied.**
- We will produce **equivalent quality to virgin material** for all applications, cheaper and more ecologic!
- In addition, our new company will earn on the sale of NGR equipment to the Chinese customers.



## Why with us ?

- ✓ We are a **professional, well balanced international** team with close relationship to several local city and provincial governments in China.
- ✓ We have a wide spread and sophisticated **network** in China.
- ✓ We have **investigated the market** regarding availability of raw materials (plastic waste), prices and potential buyers in detail for the last two years.
- ✓ We **cooperate with WIT** (Wuhan Institute of Technology) and have arranged a contract with NGR.
- ✓ **NGR**, the manufacturer will **join and support us** with 20% of the equipment value!
- ✓ **Austrian management and key personnel** on site, trained by NGR
- ✓ Austria was 2015 the **leading country in waste recycling** with a recycling rate **bigger than 60%**
- ✓ Around Linz is the **world's top area** for **polymer technology** and **plastic recycling**
- ✓ We bring the **first LSP-Reactor** to China



**Conclusion:**

- **We have NGR** - the manufacturer - on board **as partner** and their commitment to carry out the LSP-project in **China exclusively with us**- therefore we can expect **the best technical support**.
- Our new company will earn on both, the production of recycled plastic and the sale of machinery. In addition, there may soon be an opportunity to **participate in further recycling units** in China!



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