



# **SATURNIN<sup>®</sup>**

**B Y B E N E V A**

**The ultimate tool for circular economy. A system for steel scrap re-use in industrial production. Green steel has never been more accessible.**

- **SATURNIN<sup>®</sup> provides low carbon input material produced from re-used scrap**
- **SATURNIN<sup>®</sup> provides exclusive conditions to purchase your scrap**

## **MAIN BENEFITS OF SATURNIN<sup>®</sup>**

- **Supply of low carbon input material**
- **Certified reduction of product carbon footprint**
- **Arising scrap reduction**
- **Certified reduction of corporate carbon footprint**
- **Material costs savings**

# SATURNIN® WORKFLOW



**The following data are gathered across companies:**

- Arising production scrap
- Input material needs



**A unique SATURNIN® algorithm searches matches in the database. In order to produce input material from arising scrap, the following variables have to be analyzed first:**

- Thickness
- Material grade
- Shape and dimensions of scrap parts
- Shape and dimensions of required input material
- Location of the supplying and production plant



**The re-processing of scrap parts into input sheets is done on autonomous robotic production line. The re-processing includes following steps:**

- Shape inspection of scrap parts on our scanning device
- Material analysis of scrap in accredited material laboratory
- Production on fully autonomous robotic line – cutting into the desired shape
- In-line product control – surface, thickness, dimension
- Signing of every single part by unique ID, stacking and packaging



**When the re-processing is completed:**

- Low carbon input material is delivered just in time to the customer
- Customer receives the emission savings certificate along with the material

*Making your product green*