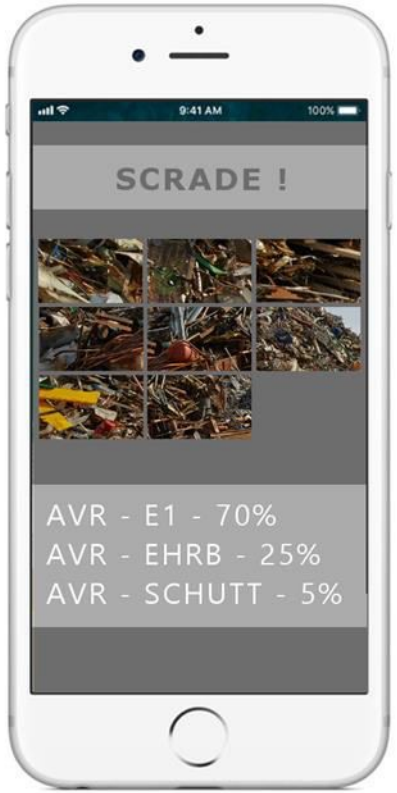
SCRADE

How it works

Take a picture of the scrap .....

…. and **SCRADE!** It …

SCRADE! will show You imeadiately the detected scrap grade on the picture as well as the average impurity ratio based on the algorythm



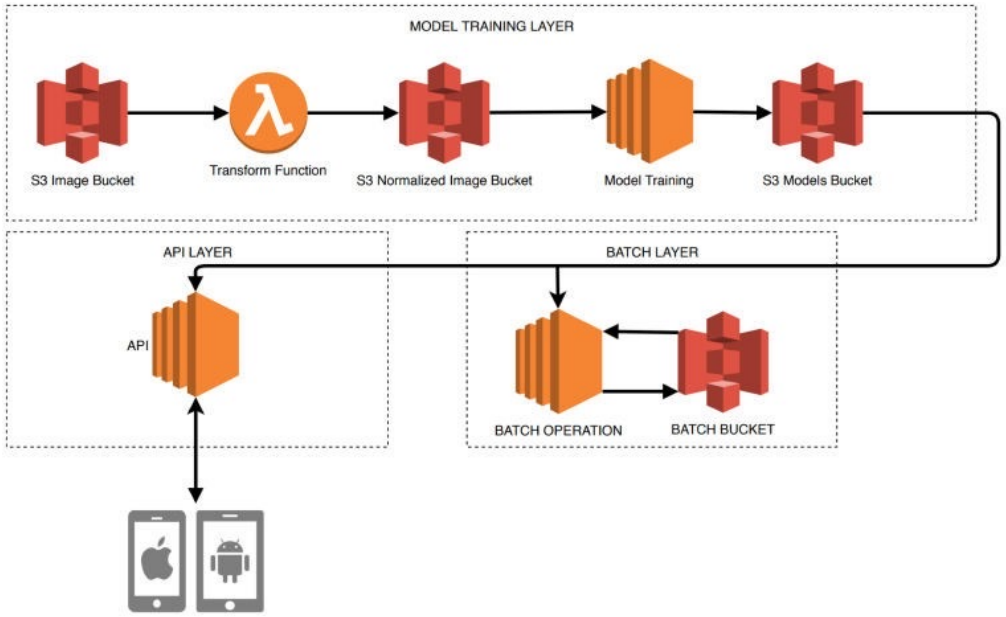
F.e.: Full truck load assessment through Multi picture analysis (up to 8 pics)

You want to make an assessment of full truck load, then dump the scrap and take up to 8 pictures from different perspectives of the dumped pile and **SCRADE! It**

⇒ Assessment of the average of the visible content of the delivery based on the average of 8 pictures
⇒ Every single picture assessment individually visible

SCRADE! - Technology

= specialized Image recognition algorithm



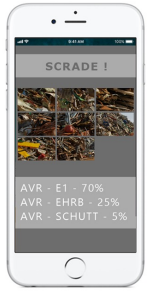
Highlights :

- Recognizes all scrap grades & level of impurities
- Image recognition algorithm trained on > 100.000 qualified scrap intakes – image databsa increasing constantly
- Recognition ratio >97% - improving constantly
- Based on scalable cloud infrastructure
- API and Batch processing options
- IOs and Android Back End Application
- BI Business Intelligence Module for analyzing scrap quality supplied

=> SCRADE Knowledge base is improving with every „Scrade!“

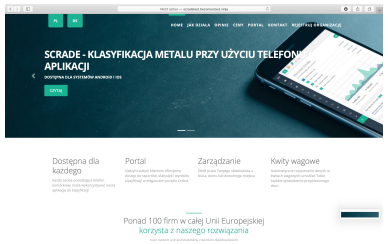
=>Tested in thousands of scrap intakes since 2018

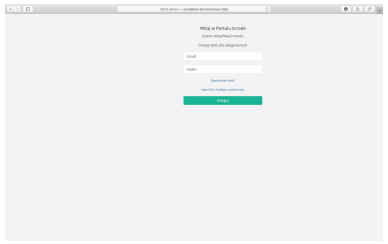
SCRADE!: Mobile Phone App + Dashboard + BI

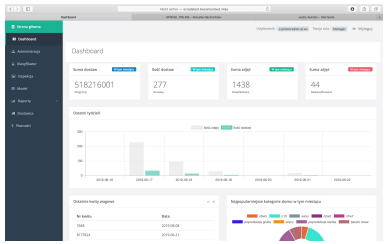


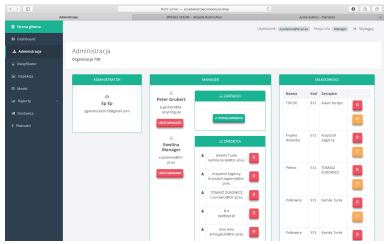
APPLICATION for ANDROID and IOs mobile phones
(algorithm based and manual scrap assessment)

DASHBOARD for management and user administration **:**

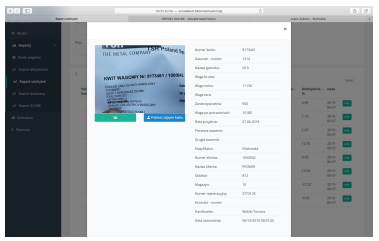


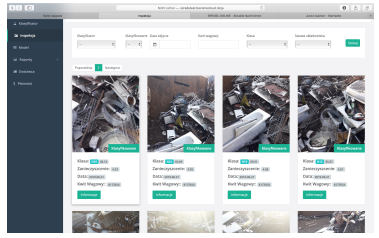


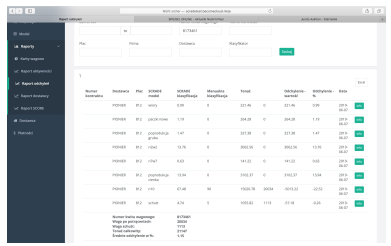


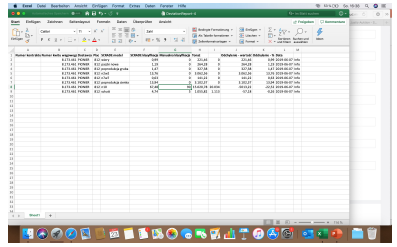


BI BUSINESS INTELLIGENCE Modul - for analyzing suppliers and the scrap quality of their supplies cumulated and per individual weighttickets, standard ad hoc reports and picture based documentation, … Download to EXCEL









- **Full ERP Integration on request**
- **Completely Cloud Based**
- **Supplier Scoring based on scrap quality**

SCRADE! – Benefits

Scrap Yard

- Scrade APP integrates manual assessment and algorithm based assessment plus pictures
- Full documentation and tracability of the dealings of the scrap assessment on the yard
- Less paper – it´s all digital
- Less Compliance issues - Support of the people on the yard through Scrade scrap assessment proposal

Scrap Procurement

- Full Transparency on scrap quality supplied by supplliers
- Scoring of suppliers based on quality supplied (price incentive for better quality score)
- Full legacy and documentation of every individual weightticket/load in case of reclamation or contact with the supplier

Melt Shop

- Transparency on INPUT Scrap quality
- Cumulated SCRADE scrap assessment indicates „SCRAP in SCRAP“ value
- Melting program adapted to available SCRAP quality
- Increase in YIELD and reduction in costs

- ✓ **SCRADE brings transparancy to the scrap intake process at the mill/foundry**
- ✓ **PAY FOR SCRAP and not for impurities**
- ✓ **SCRADE enables mills/foundries to take objective and individual action for improving the quality of the purchased scrap**
- ✓ **SCRADE enables scrap Procurement departments to perform supplier scroing based on supplied scrap quality**

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https://youtu.be/8LC9p6bFyBE