IMPLEMENTATION OF ISO 50001 IN MAKSTIL AD-SKOPJE
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THE NEED FOR EnMS

- Makstil is steel making industry consisting of two plants. Steel shop and Hot rolling plate mill
- Top 3 energy users in that region
- In 2014 started with real time monitoring of electricity usage
- In 2015 enrolled UNIDO program for implementing ISO 50001
- In 2017 got certified
- In 2018 Energy management insight award from CEM
- In 2019 still improving the process
PART 1 PAPERWORK

- Energy Performance indicators, regression models, base year
- Action plans and targets
- Document control
- Energy planning
Part 2 Specific SEU training

- Has energy awareness
- Should undergo specific training
- Is enthusiastic
- Wants to take responsibility
- Easier to complain, get something done
PROCESS OPTIMIZATION

Paved scrap yard
- Cleaner scrap
- Efficient melting
- Less dirt in the process

Scrap metal selection
- Select scrap on suppliers yard, not on ours
- Check scrap before delivery

Future investment
PBT system for casting
PERFORMANCE INDICATORS

CH4 savings

Savings 2018

Oxygen savings

April 28, 27 70,11
May 28, 36 70,33
THANK YOU
QUESTIONS?