



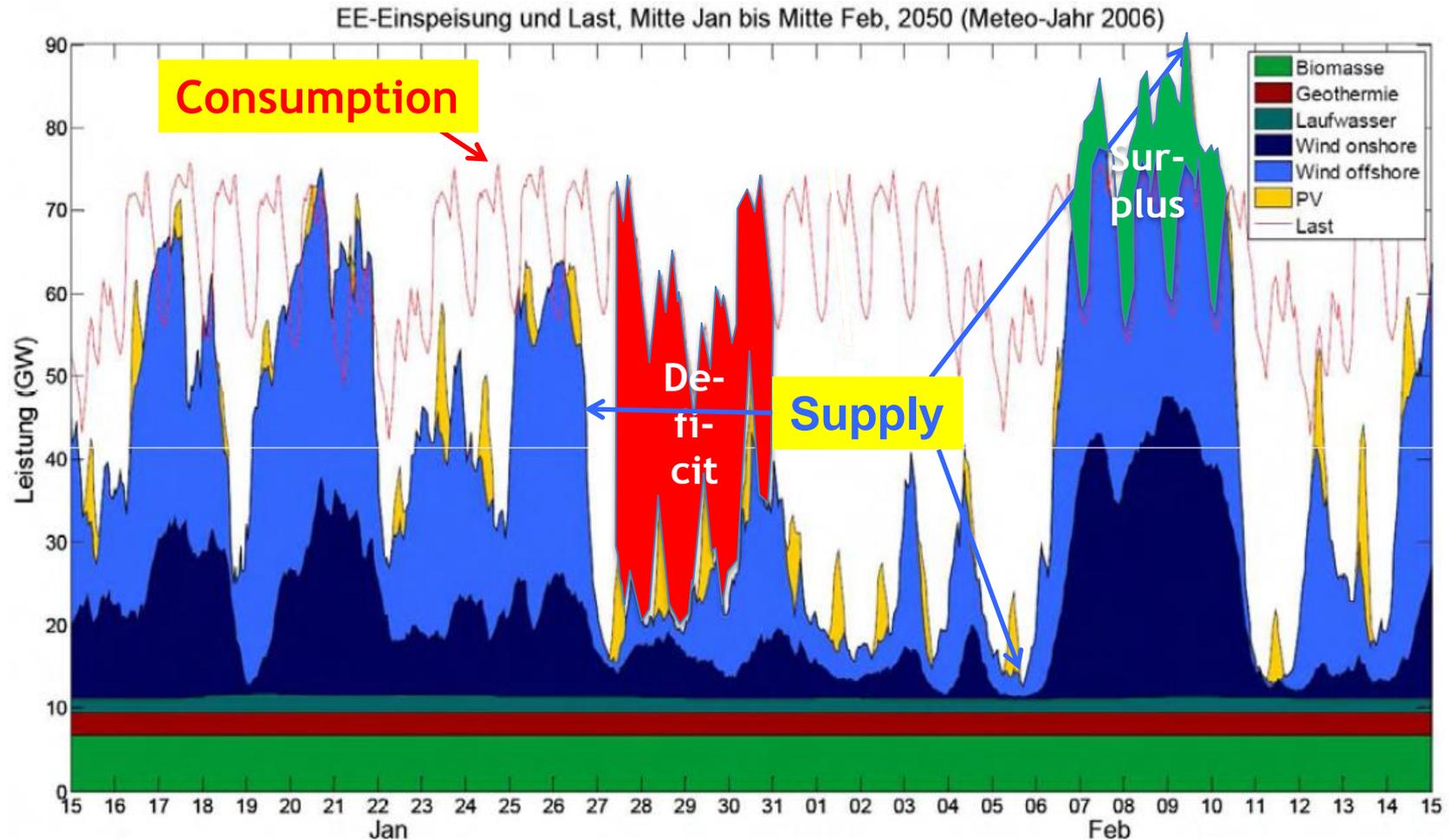
TRIMET Aluminium SE

FlexPot

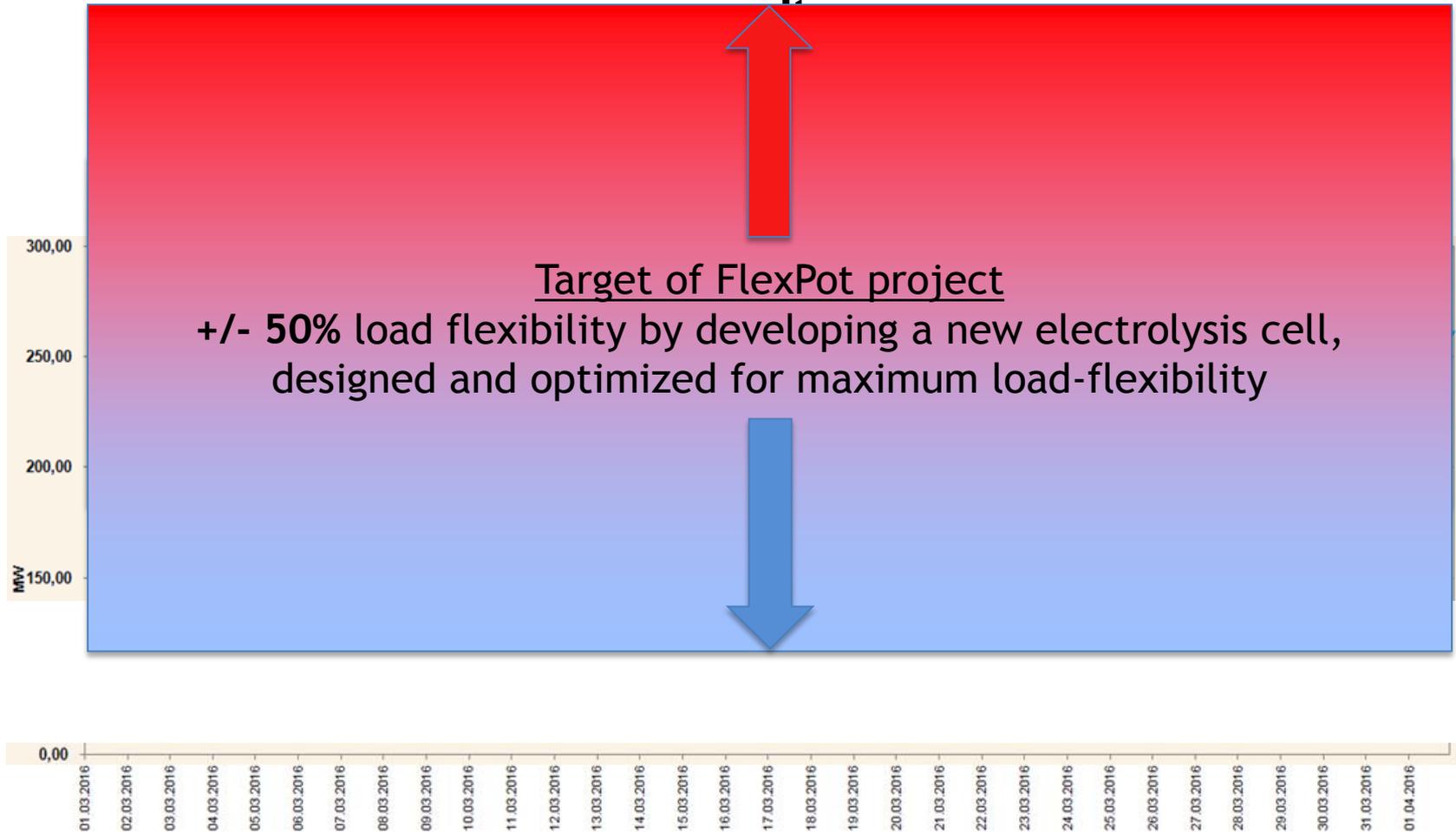
An innovative concept of aluminium smelting technology
in a high volatile power supply environment

trimet

Typical power supply scenario 2050 in Germany



Present and future production flexibility of an aluminium



CO2-saving potencial linked to FlexPot technology

50% of CO2 emissions linked to conventional power supply (coal)

due to

- integration of high volumes of fluctuating REN into the system
- significant reduction of dependency on conventional power generation
- mitigation of CO2-emissions linked to conventional power generation

➤ per 1 Mill. t of Al **6 Mill. t CO2 p.a.**

➤ Global CO2-saving potential *) **210 Mill. t CO2 p.a.**

*) with 35 Mill t Al p.a. based on hard coal power

TRIMET – **Aluminium** macht vieles leichter

heribert.hauck@trimet.de

www.trimet.de