



Technology Consultancy

Simeng engineering team is committed to provide bespoke contribution to address the gap in technology in production line. This report is a demonstration of our approach to:

- Product and technology identification
- Sourcing and negotiations
- Bussiness-to-Bussiness connection,



Binding Solutions Ltd (BSL) has developed a transformational technology that uses, specially adapted organic polymers to bind together the fines material produced from mines- in particular those containing iron ore or chromite into pellets or briquettes that are placed into furnace and converted into steel or ferrochrome. BSL technology has been developed over eight years by former steel industry professionals who original focused on waste fines at steel mills. The first proof of concept was in partnership with the Tata steel plant in Scunthrope (now British Steel) in 2014, where several hundred thousand tons of briquettes have since been produced from waste fines. Since 2014, BSL has analyzed fines from c.30 mines and steel making plants and produced over 4,000 polymer formulations tailored to customer specifications.

*Presented by
Dr. Omid Mobasseri,
Founder and MD of
Simeng Limited, and key
executive of this project.*

I have been introduced to technology in early 2019 and clearly identified the correct match to Simeng vision in terms of novelty, specially the application on plant waste and fines. After signing an NDA I have conducted the process of due diligence, including review on publicly available material, site visit, personal interviews and expert's opinion, I have approved the introductory role and representation of BSL in MENA region. I have used previously established industrial network to firstly understand the industry acceptance of the idea and secondly reach out to low hanging fruits. I have used official and non-official appointment, exhibitions and seminars and personal networking to introduce BSL to iron and steel sector across the region. A successful bilateral agreement achieved in the first quarter of 2020 with Omanis manufacturer, for 1mT fine/dust upcycling plant, following a successful, lab trial and field trial practices, proven a successful technology representation.