

Smart Sand

Transforming fly ash to value-added sand



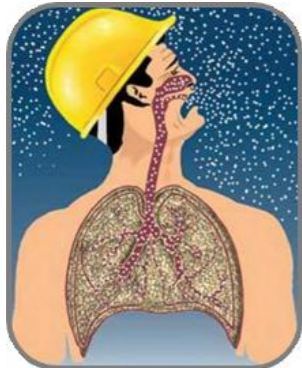
Dr. Abbas Khan (Founder & CEO)

21st October, 2015 (Berlin)

ZaaK Technologies GmbH

A Global Twin Problem

Fly ash



Production

1bt

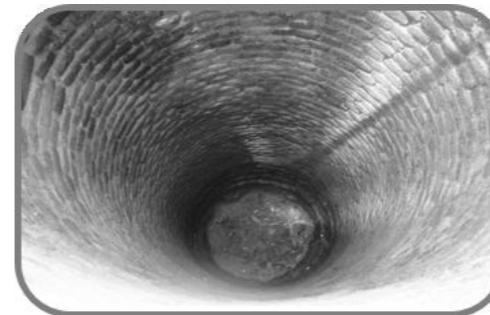
(2014)

1.5bt

(2030)

1bt = 1 billion tonnes

Sand Mining



Consumption

~30bt

(2014)


~40bt

(2030)

The Solution – Smart Sand

~50% lighter than sand

Regular size & shape



Zero impurities

Tailor made

Construction Material (Key Applications)



Tech. Mortar



Plaster/Render



Concrete



Flooring

Niche Areas (Other Applications)



Horticulture



Green roofing



Moulding

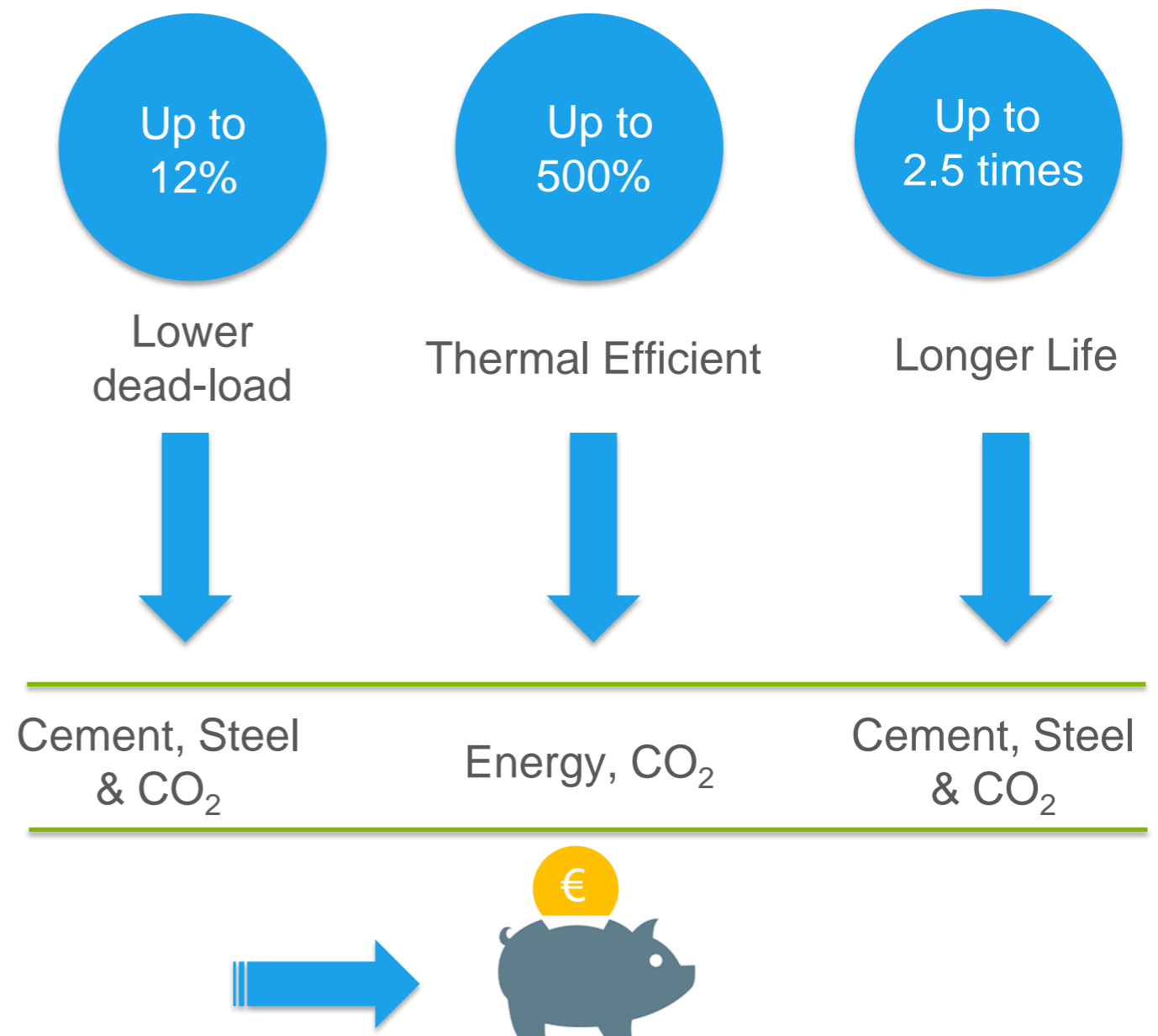


Tyres

How Smart Sand Contributes to Sustainability



Savings of



Team



Abbas Khan (CEO)



Jochen Kleef (CSO)



Greg Vero (ED)



Michael Wehrheim
(Finance)

Partners



The Ask



Build Pilot Plant (1,000t/a)

Transforming fly ash to value-added sand

TBB. The Business Booster
BY KIC INNOENERGY

Thank you!

Happy to Take Your Questions

Visit us: Booth 13

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