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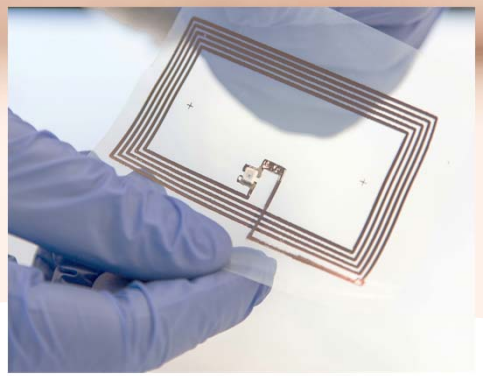
DANISH TECHNOLOGICAL INSTITUTE

Open Innovation Test **Bed** for development of nanomaterials for **L**ightweight **E**mbeded **E**lectronics

Zachary J. Davis, PhD

Total budget 10.6 M€
4 years
13 service and pilot line providers
4 industrial end users
8 countries



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 814485

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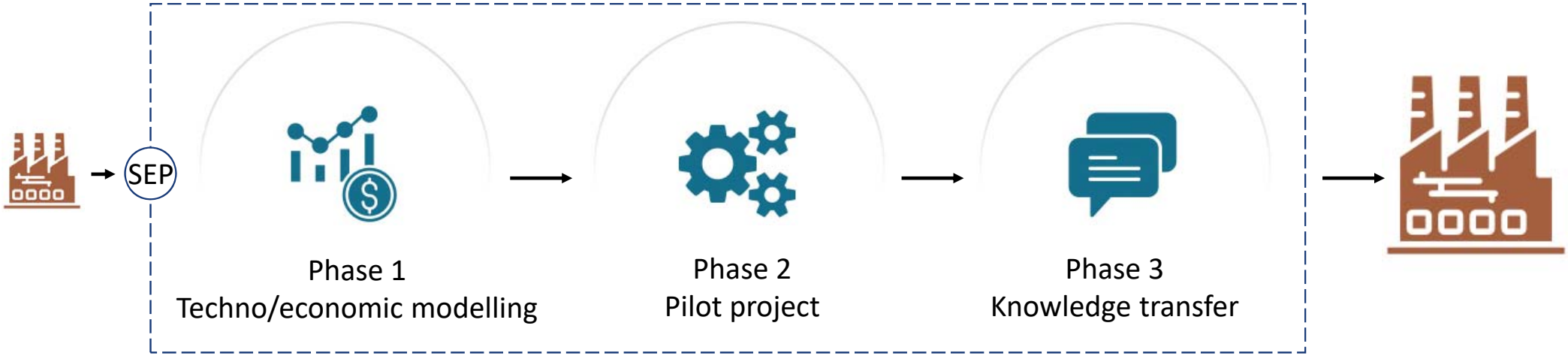
LEE-BED concept



Drastic reduction in development time – concept to prototype in under 6 months

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Partners and roles

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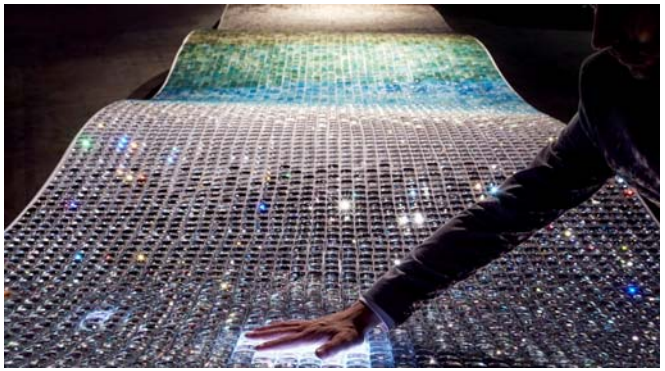
Industrial Cases



SWAROVSKI

MAIER

acciona

lp grafietic
identificación y sistemas

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Characterization in LEE-BED

WP7 dedicated to in-line monitoring for pilot lines

Technologies being tested & implimented

- SAX/WAX for in-line monitoring of nanomaterial production
- XRF, Rheology & DLS for in-line monitoring of formulations
- Radiography & nano-CT for in-line monitoring of printed components

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list ceatech

Fraunhofer

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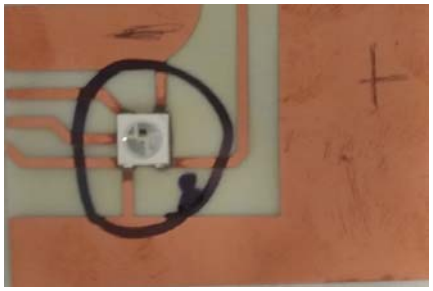
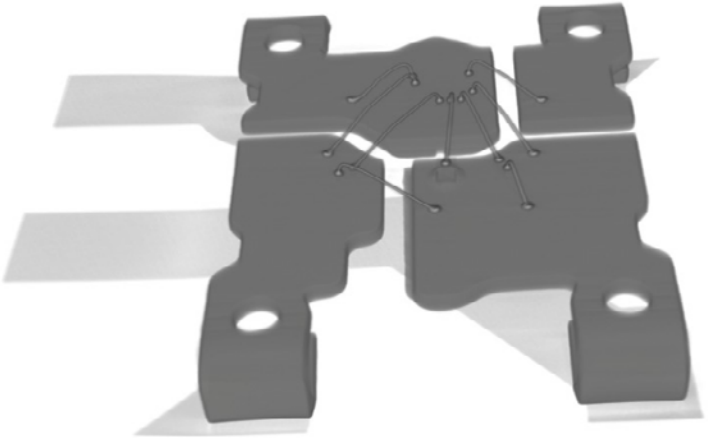
Examples



µ-CT
160kv
1h
~5µm res



Optical image

X-ray image

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Contact

www.lee-bed.eu

lee-bed@teknologisk.dk

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