ElectroGraph

Graphene-based Electrodes for Application in Supercapacitors

Prepared by:

Urszula Kosidlo, MSc
Project Coordinator

Fraunhofer IPA
Department of Functional Materials

ElectroGraph
Grant Agreement No. 266391

Fraunhofer IPA

Project Information

Website:

www.electrograph.eu

Contact:

electrograph@ipa.fraunhofer.de

Start date:
1st June 2011

Duration:
36 Months

Progress:
Month 14


Picture source: https://www.123rf.com/
10 Partners
8 Countries
4 Universities
3 Research Organisations
2 Small and Medium Enterprises
1 Enterprise

Coordinator

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OBJECTIVES

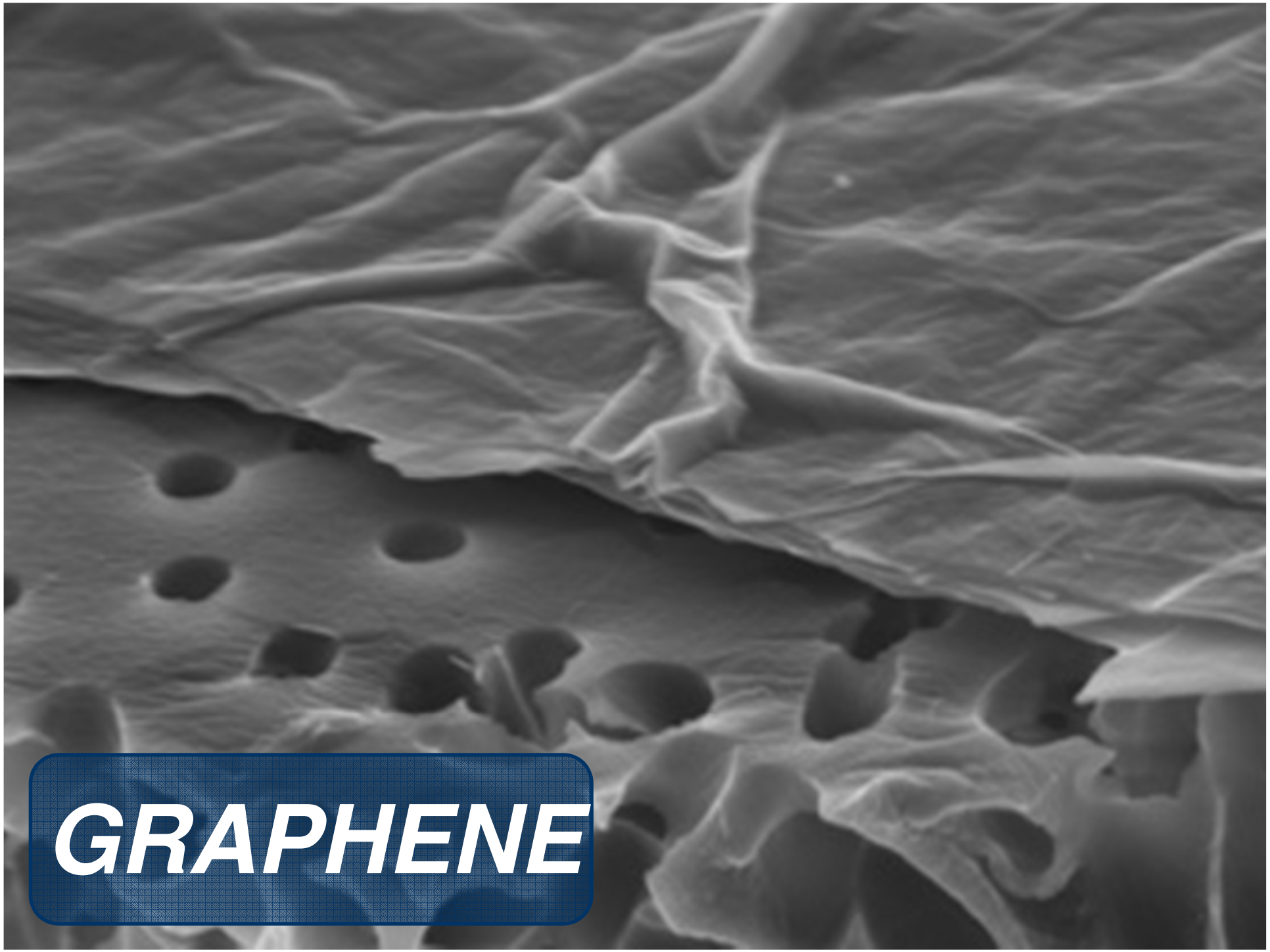
To present a functional model of supercapacitor

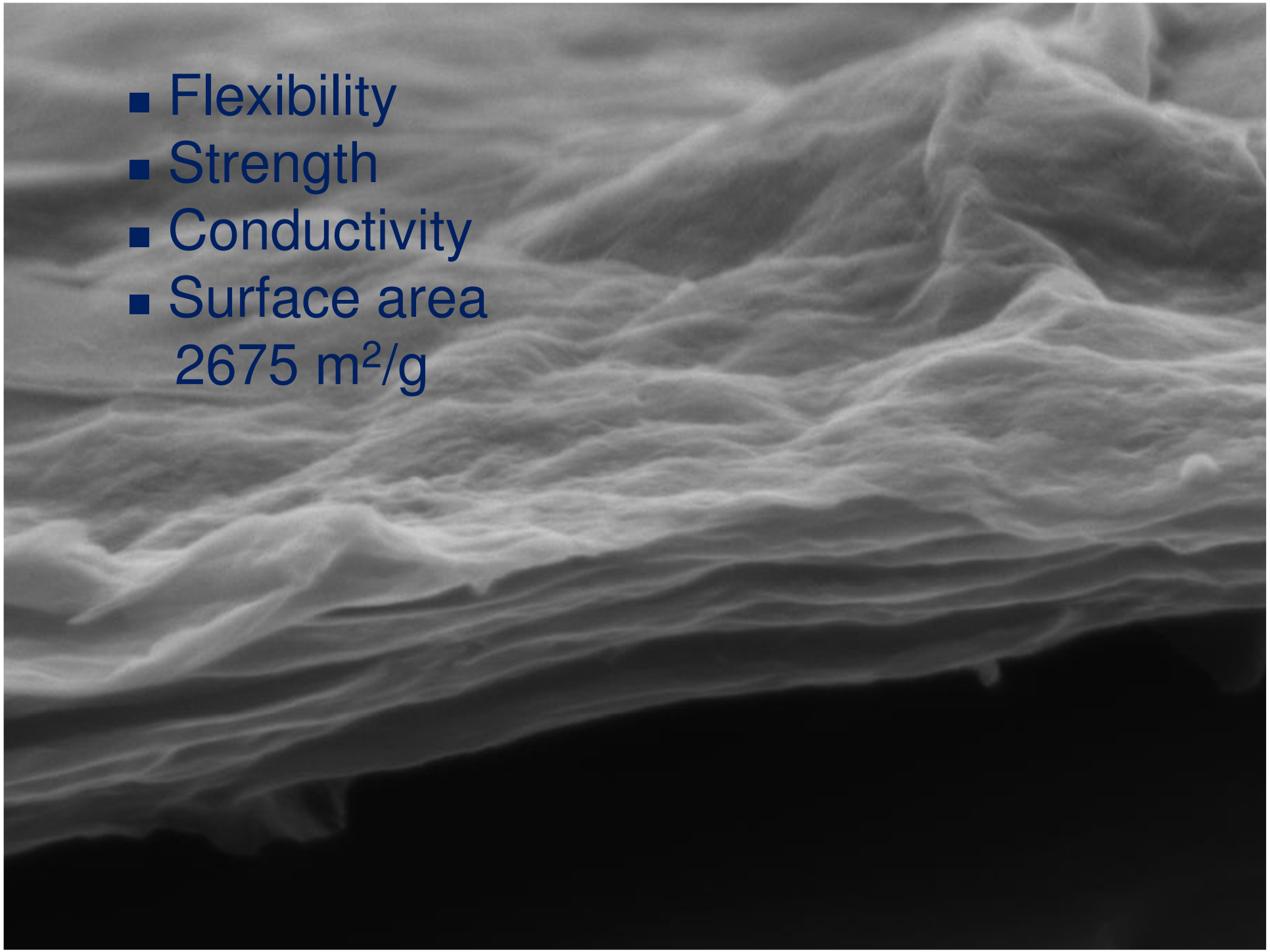
To optimize overall performance of supercapacitor

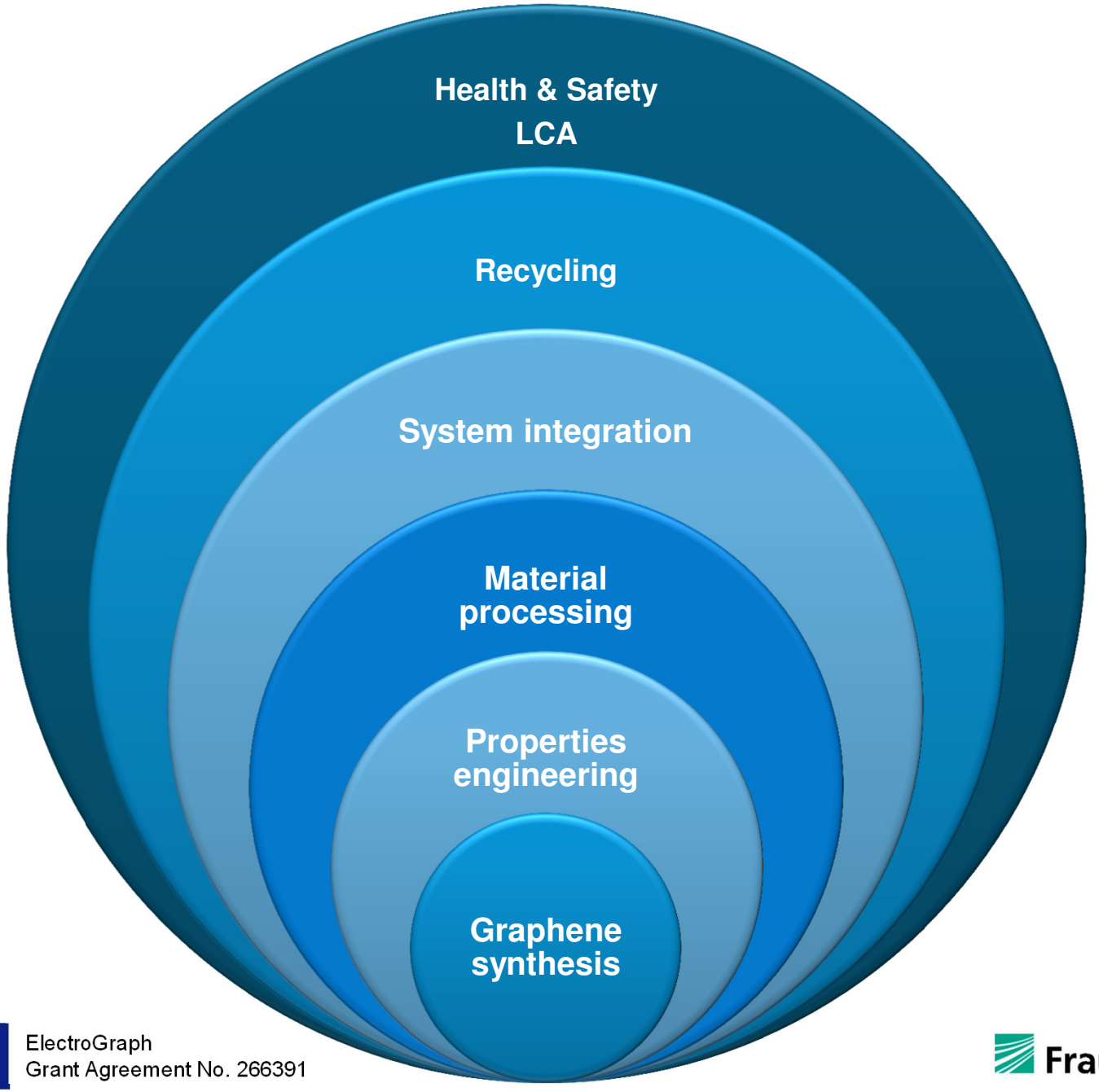
To produce graphene in volume and quality required to achieve above

To assess the hazard and exposure associated with graphene materials as well as their life cycle impact

To identify the potential for value recovery from graphene electrodes


GRAPHENE


Flexibility
Strength
Conductivity
Surface area
2675 m²/g



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Bringing graphene from laboratory into the real application

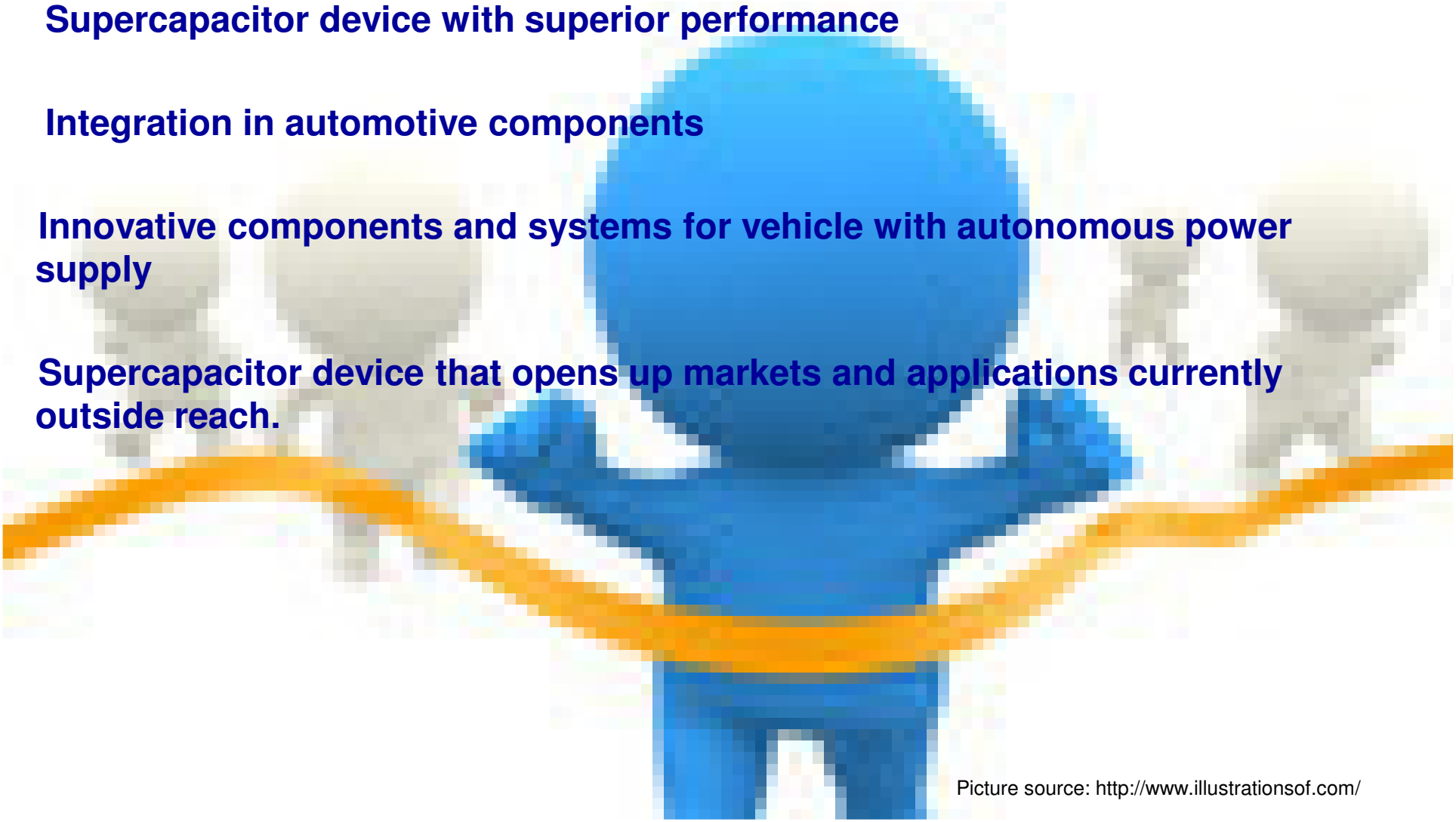
Incorporation of graphene into commercially available devices

Supercapacitor device with superior performance

Integration in automotive components

Innovative components and systems for vehicle with autonomous power supply

Supercapacitor device that opens up markets and applications currently outside reach.



Picture source: http://www.illustrationsof.com/

Thank you for your attention

Urszula Kosidlo, MSc

Fraunhofer IPA
Department of Functional Materials

E-mail: urszula.kosidlo@ipa.fraunhofer.de
Phone: +49 (0) 711 970-3625

Project contact:
www.electrograph.eu
E-Mail: electrograph@ipa.fraunhofer.de