

SIO
GRAFEN

What is SIO Grafen?

One of Sweden's 17 strategic innovation programs.

In our vision Sweden is one of the leading countries developing and using 2D materials industrially.

SIO
FERNAND





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GRAFEN



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GRAFEN



THE SCIENCE BEHIND
AIR POLLUTION OF CARBONIO





Funded by
the European Union



GRAPHENE AND 2D-MATERIALS

FROM IDEAS AND PIONEERING EXPERIMENTS
TOWARDS NEW TECHNOLOGIES
AND INNOVATION INDUSTRY

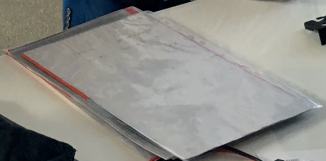
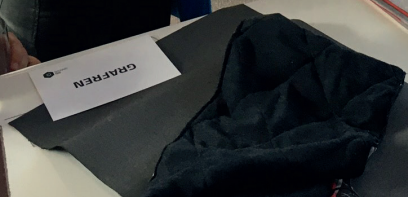
QUALITY
GRAPHENE
FLAKES

Composites
for
electromagnetic
shielding

from
lab
to
fab



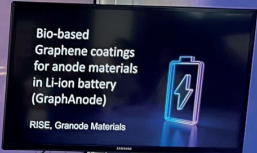
GRAPHENE



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Bio-based
Graphene coatings
for anode materials
in Li-ion battery
(GraphAnode)



RISE, Granode Materials



PROVEXA

2D FAB

GRAPHMATECH

MID SWEDEN UNIVERSITY

GRAFREN

SIO







GRAPHENE FLAGSHIP

GRAPHENE FLAGSHIP

GRAPHENE
www.graphene-flagship.com

Kari Hjelt
CIT Sweden
October 1-3





One layer, limitless possibilities

This exhibition illustrates the Graphene Flagship's progress since its inception and showcases some of its most promising results and products in different application areas such as transport, communication, energy and health.

Transforming Industries from energy and transportation to biomedicine

As the world strives to maintain its pace of innovation, graphene has much to offer. Graphene is helping to facilitate the next generation of technology. With applications in everything from energy and transportation to electronics and biomedicine, graphene and other 2D materials are transforming our world. Its excellent sensing ability can enhance the next generation of wearable electronics. The ease with which graphene can be incorporated into composite materials allows us to create improved composites with graphene's strong, conductive or flexible properties. Graphene is also impacting the biomedical sector, paving the way for targeted drug delivery and biosensors, while graphene air and water filters can safeguard our health and wellbeing.



10 YEARS OF 2D MATERIALS INNOVATION

50 JAHRE
BMW M

50 JAHRE
BMW M



50 JAHRE
BMW M



AUTOVISION
SPEARHEAD PROJECT
INFRARED SENSORS FOR SAFER DRIVING



GRAPHENE
CELEBRATES 10



THE
AW M
BMW M
TAHBE





GRAPHENE
WEEK

