



**GWENT GROUP**  
ADVANCED MATERIAL SYSTEMS



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## **G**went **E**lectronic **M**aterials Ltd. (GEM)

## **A**ppplied **E**nzyme **T**echnology Ltd. (AET)

We are experienced in the development and production  
of materials for the electronics / biosensor/ electroceramics industries

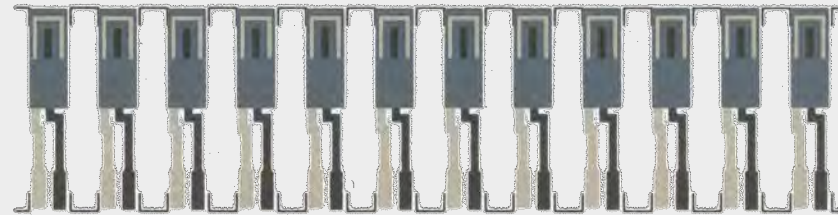
We supply biosensors for

medical, environmental and agri-food market sectors

Contract research on ink formulations and contact printing of biosensors

Our company has the facilities to assist with full start up of biosensor plants.

Contracts undertaken to support start up ventures in this area...



Screen –Printed Materials are commonly used in re-usable  
and disposable biosensors

For example:-

Carbon – graphite mixes

Silver conductors

Insulators / Dielectrics

Adhesives

Our Screen-Printing Capability consists of :-

Research and Development Scale Dek1202

Pilot Scale – Dek245

Class 100 print room

Prototype Production Dek248

Optical Alignment system Dek260

Capability of 1 million + electrodes per year

Additionally A.E.T. Ltd can :-

provide Bio stabilisation services

Biosensor fabrication service

using bio dispensing robotic systems

Please contact us to discuss how we can help you .

[sales@gwent.org](mailto:sales@gwent.org)

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