# Printable *Sensor Technologies*

Sri Lanka Institute of Nanotechnology (SLINTEC)

A pioneer in nano and advanced technology research in Sri Lanka.

Our research is primarily focused on six areas : Printable Electronic and Sensors, Energy Storage, Nano/Advanced Materials and Minerals, Advanced Agriculture Technologies, Natural Products and Nutraceuticals, Sustainable and Functional Textiles

SLINTEC'S logo — SRI LANKA INSTITUTE OF NANOTECHNOLOGY (PVT) LTD.
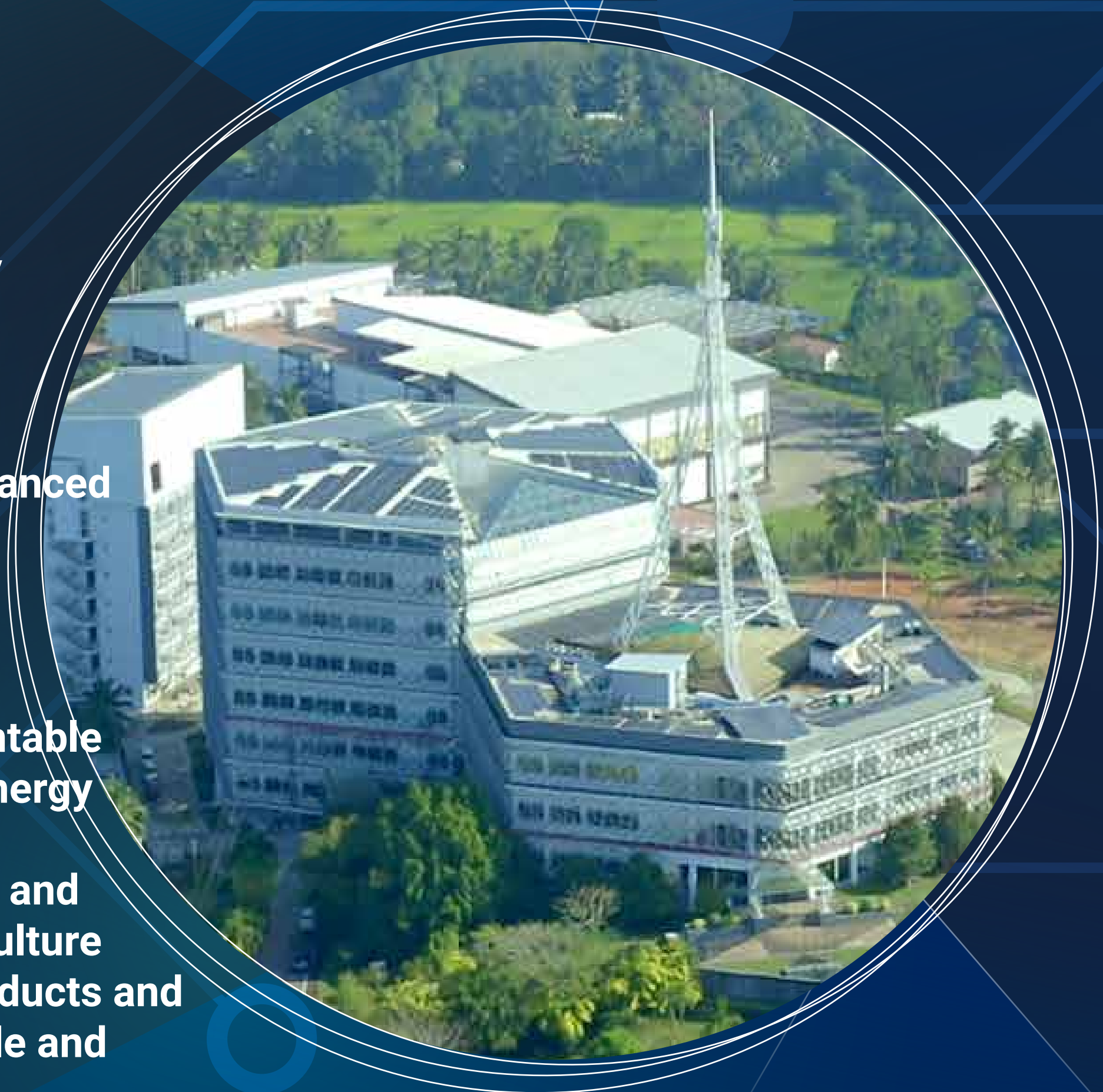
SLINTEC's novel sensing materials can be used to develop cost-effective, ultra-thin printable sensors to detect gas, pressure, temperature, humidity, touch, and various biomarkers

Environmental electrochemical analysis

Smart packaging

Health monitoring

Automotive industry

Agri industry

Wearable devices

SLINTEC Sensor platform strengthened by

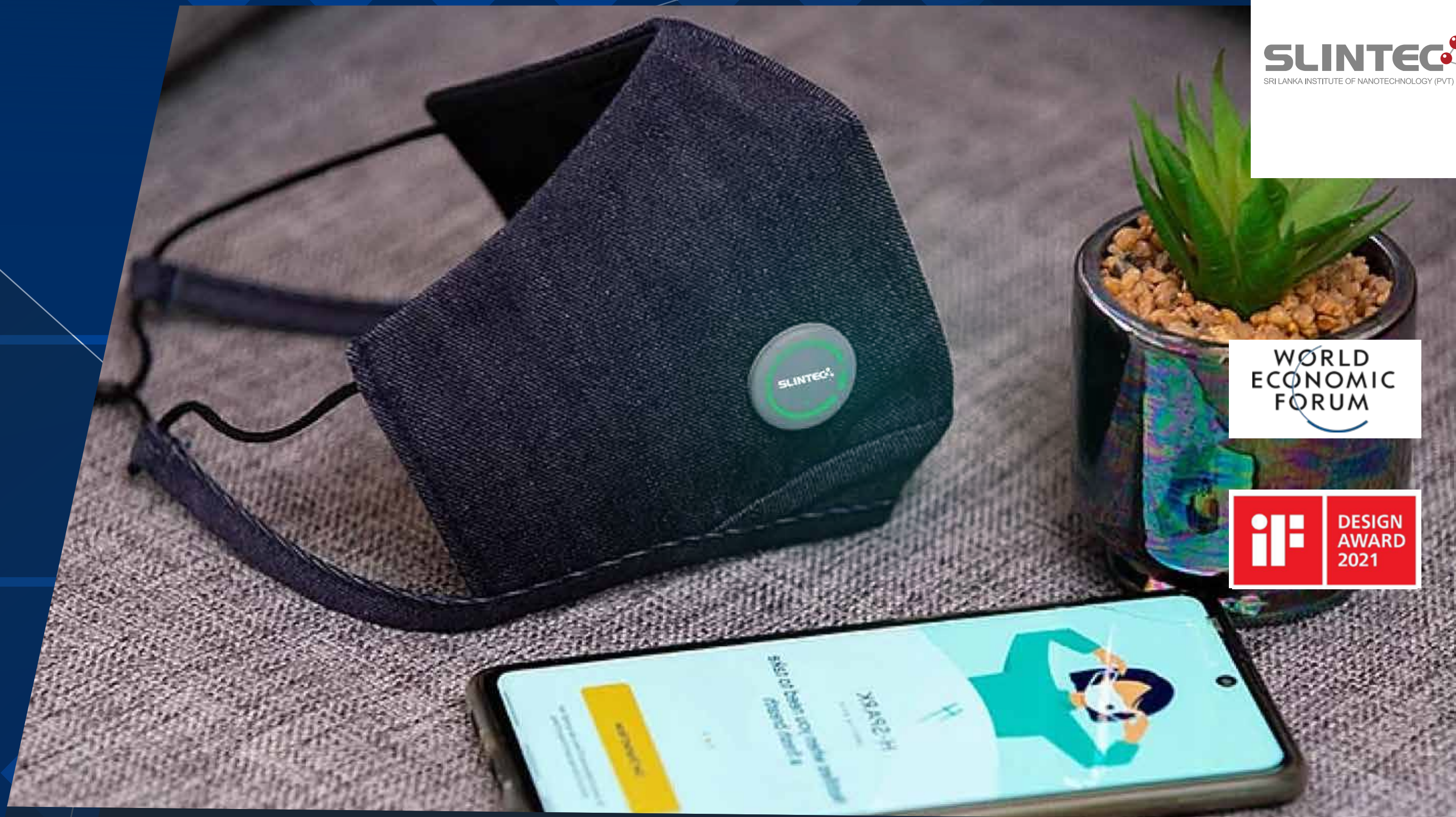**Unique raw materials (SLINTEC's joint venture for graphene production)**

State-of-the-Art Material Characterization Laboratories :

- Spectroscopy (XRD, XPS)
- Elemental Analysis
- Imaging (TEM,SEM)
- Thermal Analysis
- Particle size Analysis

Research expertise in materials development

SLINTEC combined with an apparel manufacturing company Hirdaramani Group and CirQ Technologies to develop BreathTech-S³—the world's first sustainably designed smart face mask for consumers.

BreathTech-S³ has an advanced graphene-based sensor (patent pending) that measures breathing rate, mask fit, CO_2 build up and mask usage, all of which are accessible via a secure mobile app.

SLINTEC

SRI LANKA INSTITUTE OF NANOTECHNOLOGY (PVT) LTD.

Join Us For

- Research Colloborations
- Contract Research
- Material Development
- Consultancy services

Contact Us

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