

OUR TEAM

NEEL PANCHAL

CEO & Co-Founder

Deep expertise in nanomaterial R&D and graphene manufacturing - Bridging laboratory-grade material development and company operations.

KHUSHBOO PATEL

CTO

Leads technology strategy, product architecture, process engineering, and IP development. Research background in smart textiles from an exchange programme in the Netherlands and National Institute of Design, India.

SAURABH PATEL

AI & Engineering Lead

Powers the company's AI and machine learning capabilities across product lines making them intelligent and user-centric. Develops unique and customised easy-to-use platforms across product portfolio for consumers and businesses to modulate systems as per their requirements.

PROJECT HEXAGON

GET IN TOUCH

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SMART TEXTILE SOLUTIONS

BUILDING THE FUTURE OF INTELLIGENT TEXTILES

CONDUCTIVE MATERIALS ' SMART FABRICS

ABOUT US

Project Hexagon is an e-textile technology development company building the material and electronic foundation for intelligent textile products. The company develops graphene-based conductive materials, functional fabric systems and modular electronic platforms - enabling manufacturers, developers, and researchers to build smart textile applications on a proven technology base.

SECTORS WE SERVE



SPORTS



HEALTHCARE



ADVENTURE



AUTOMOTIVE



DEFENCE



SPACE



WEARABLES



EXPERIENCE



HOME TEXTILES



ENERGY



ROBOTICS



SENSING

OUR TECHNOLOGY

CONDUCTIVE INK

Graphene-based conductive inks - the foundational material enabling all printed electronics, heating and sensing applications.

FUNCTIONAL FABRICS

Graphene-infused fabrics, conductive yarns, and conductive textiles engineered for anti-static, antimicrobial, sensing, stealth and electronic integration applications.

E-TEXTILE PLATFORM (WIP)

A modular development platform for e-textiles - comprising textile-native components, a dedicated programming environment, and a structured hardware library for product development at scale.

WHAT WE OFFER

MATERIALS

Graphene-based conductive inks, conductive yarns, and high-performance functional textile substrates.

PRODUCTS

Graphene-based conductive inks, conductive yarns, and high-performance functional textile substrates.

SERVICES

End-to-end product development and optimisation - from material selection and system architecture through prototyping, testing and production-ready documentation.

RECOGNITION & VALIDATION

PRESENTED TO THE PRIME MINISTER

The company's foundational proof-of-concept Intelligent ECC jacket was presented to the Prime Minister Narendra Modi at Army Day, New Delhi - January 15, 2020. Subsequently submitted to the Indian Army Design Bureau for the field evaluation.

GOVERNMENT RECOGNITION

Recipient of grants under various start-up India and NTTM schemes. Featured on NITI Aayog's Frontier Tech portal as a national case study in AI-driven defence innovation.

NATIONAL PRESS

Featured in National News Papers like The Times of India across various Tier-1 and 2 cities, Ahmedabad Mirror and various Online Platforms Likes The Better India. Garnered recognition at Ahmedabad Design Week 2022.

INSTITUTIONAL BACKING

Supported by i-Hub Gujarat, and Innocation and Inucation Centre at PDEU, Gandhinagar.

