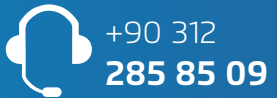




BEYOND  
THE  
FUTURE



nanografi.com



METU Technopolis  
Çankaya / Ankara TÜRKİYE

smarttech@nanografi.com



# Nanografi SMART TECH

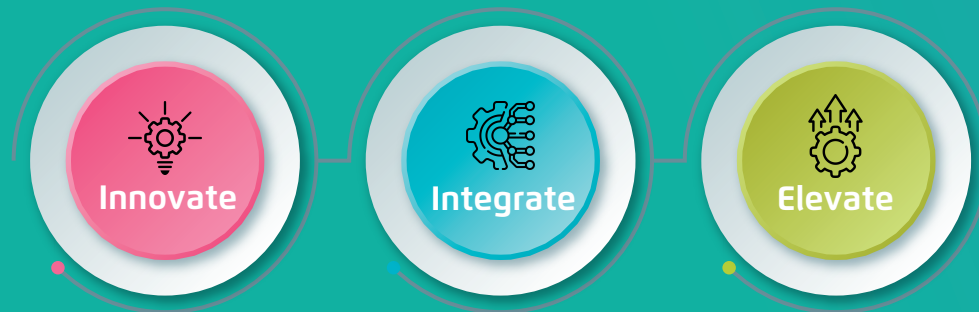
Grafen Nokta, DNA Marker, Security Printing Inks, Bil-ye, Diagnostic Kits, Biosensors

AHLATCI  
HOLDING



# Smart Tech Solutions & Services

Nanografi Smart Tech offers a wide range of pioneering, **tailor-made** technology solutions, developed by Nanografi's high-tech labs with an innovative approach, including **high-security brand protection, smart packaging, diagnostic technologies, biosensors and DNA markers.**



01

High-Security Brand Protection

02

Smart Packaging

03

Diagnostic Technologies

04

Biosensor

05

DNA Marker



# Advanced Brand Protection Technologies

Nanografi Smart Tech offers innovative brand protection technologies that preserve product originality and integrity.



Strengthened  
by innovation



Robust security measures  
against counterfeiting



Unauthorized  
replication

## Tailor-Made Solutions

**Grafen Nokta, DNA Marker and Solution-Oriented Technologies** have been developed to overcome various challenges in **brand protection across industries** such as cosmetics, pharmaceuticals, automotive parts, textiles, construction materials, valuable documents, accessories and metals.







# Grafen Nokta

Nanografi Smart Tech's **Grafen Nokta**, developed as a first-ever hallmarking technology directly put on gold, offers **tailor-made solutions** to set a new standard in brand protection technology and provide **unique security for your brands**. This groundbreaking method stands for the most durable, fast and secure brand protection technology.

**Grafen Nokta's** versatile brand protection technology extends to banknotes and valuable documents, cosmetics, sunglasses, vehicle parts, apparel, accessories, construction materials, metals, pharmaceuticals and more.



inimitable



invisible



indelible



implementable

grafenokta





# Invisible but Invincible

## Security Printing Inks

Nanografi Smart Tech's security printing inks offer **unique security solutions** for passports and documents, with **tailor-made features** that ensure **authenticity, integrity and traceability**.

Security Printing Inks certified by **Fogra**.



Passports



Banknotes



Secure Documents



high security banknote



high security passport

### VISIBLE INKS

Visible under regular lighting and fluoresce under UV light

### INVISIBLE INKS

Invisible under normal light but visible under UV light

### IR INKS

Invisible to the human eye and only visible under Infrared light

*Color Variants - Different Wavelength Responses - Multi-Spectral Detection - High Durability*



for Your Products

# DNA Marker

**Developed by Nanografi Smart Tech**, the DNA Marker is an innovative **biotechnological solution** for determining the origin of your products. This unique technology analyzes the DNA of natural products to verify quality and prevent counterfeiting. The DNA Marker represents the **most reliable, fast and accurate method of quality control** for your products.



**Additional Safety Barrier**



**Fast and Accurate Verification**



**Indelible Marking**



**Tailored Solutions**



**Versatile Application**



# Bil-ye



**Bil-ye** is an innovative and sustainable food indicator that combines natural plant extracts with the latest technology developed in Nanografi's high-tech laboratories. This **tailor-made indicator**, in the form of a label, can be adapted to **different protein-based foods** and is applied directly to the **outer surface of food packaging** to indicate the freshness level through color change.



**Bil-ye** offers **easy visual verification**, **reduces waste**, **enhances brand credibility**, **ensures safety** and **represents a significant technological innovation**, offering economic benefits.

Observe the Color Change

Learn More About Freshness

Choose Safer and Fresher Food

Know Freshness, Eat with Confidence!



# Innovative *Diagnostic* Technology

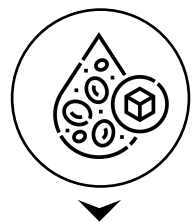
**Nanografi Smart Tech** develops advanced diagnostic technologies in their state-of-the-art technology laboratories, ensuring **quick** and **reliable** detection through **comprehensive testing** of multiple high-risk types.

*Covid-19 Detection Kits - PCR-Based Diagnostic Tools - HPV - Glucose Biosensor - Tailor-made Innovative Solutions*



# Next-Generation Biosensors

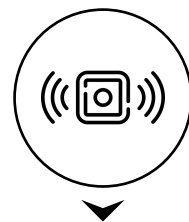
**Nanografi Smart Tech** develops sustainable biosensors that offer **portable** and **user-friendly solutions** for measuring various biological and chemical parameters simultaneously, aimed at enhancing quality of life and ensuring safety in **healthcare, food safety and environmental monitoring**.



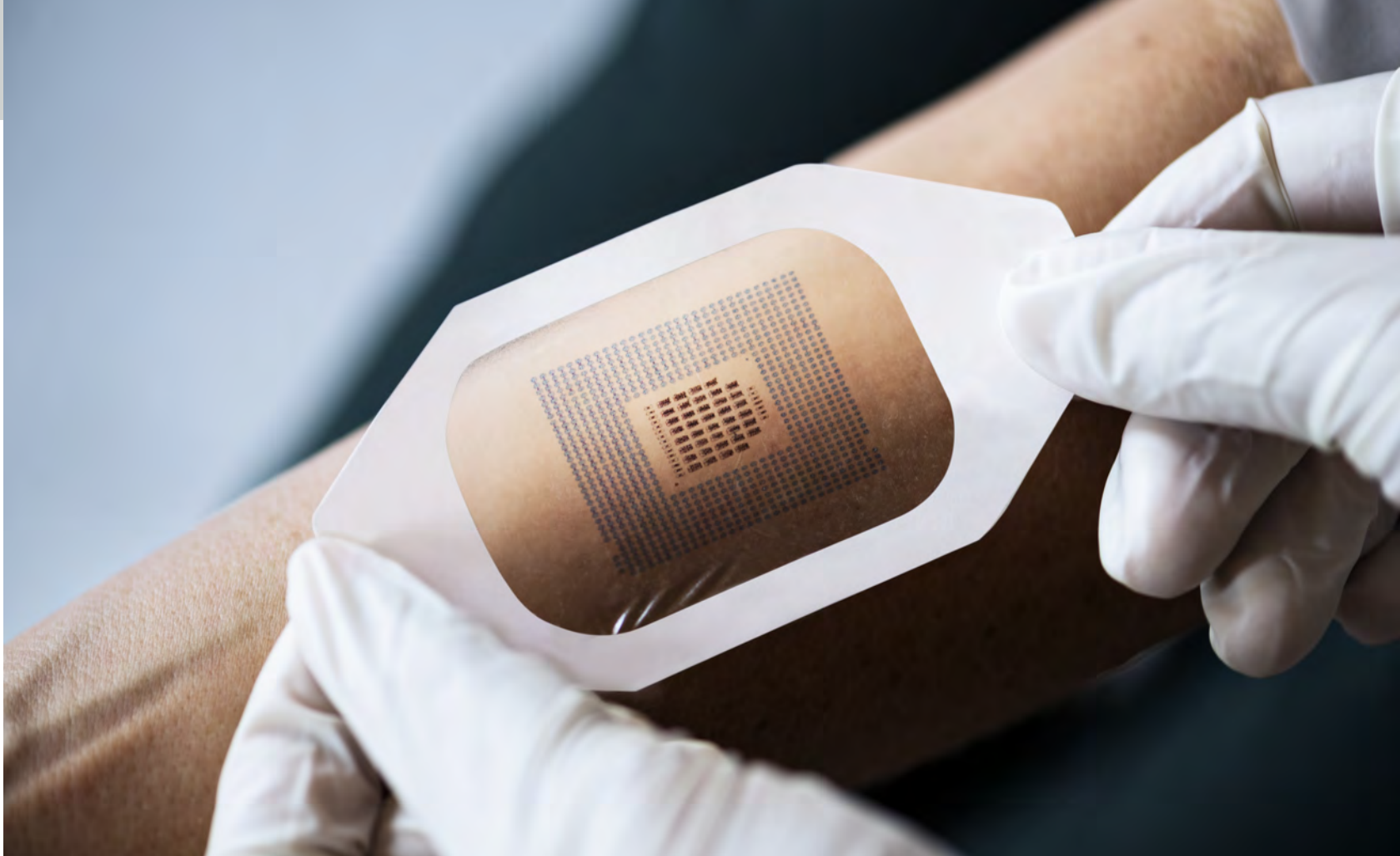
Diabetes  
Biosensors



Bio-Monitoring  
Biosensors



Other  
Biosensors



High-Tech Solutions

Non-invasive

Sustainable

Biocompatible

# Global Smart Tech Network *by Nanografi*

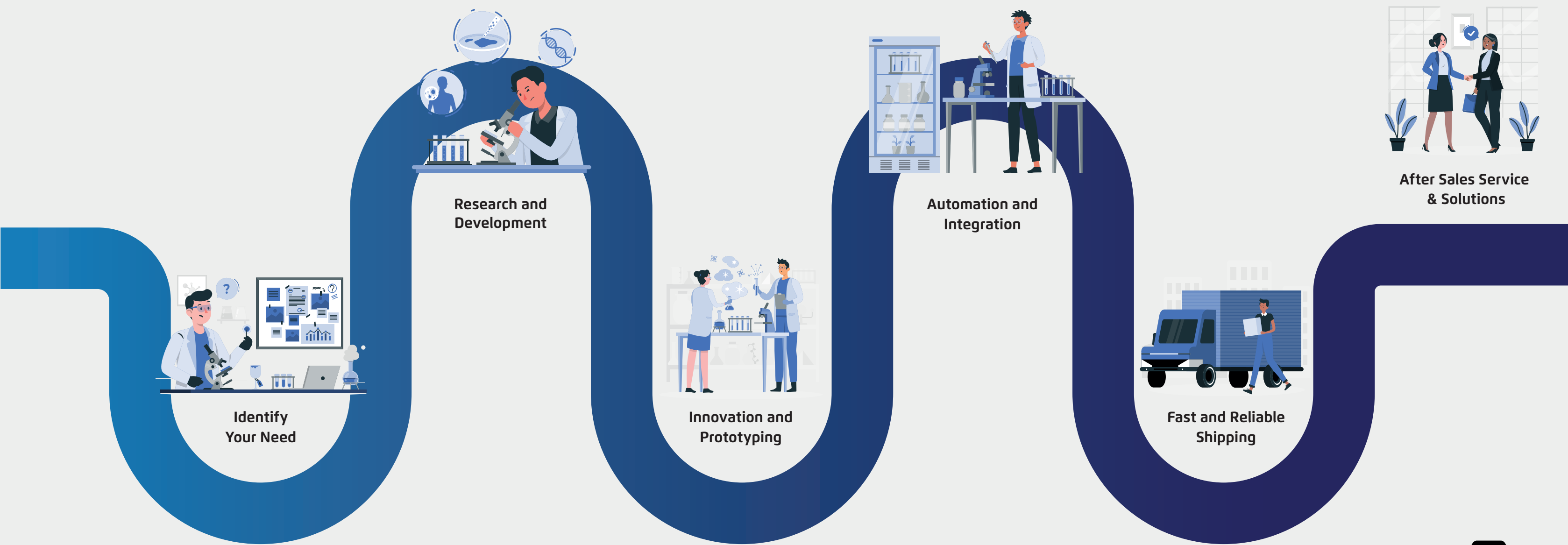
Export to **100+ Countries**   **10,000+** Global Solution Partners   **Cutting-Edge** Smart Technologies   Wide Range of **Products & Solutions**



**Note:** Some of the high-tech institutes, universities and companies worldwide that take advantage of Nanografi's Smart Tech's products are marked. For more detailed information, please contact us at [smarttech@nanografi.com](mailto:smarttech@nanografi.com)



# Strategic Cooperation **Roadmap**



# Discover *Nanografi*

**Nanografi**, as a subsidiary of **Ahlatci Holding**, redefines standards over 40+ years of experience in its international operations with an approach **focused on scientific and technological development, through transparency, accountability, expert teams, high scientific adaptability and technological capabilities** that support sustainable development.

Nanografi leads the global competition with its teams of experts and innovative approach in R&D, chemicals, advanced materials, energy, advanced engineering projects and plant installation, mechanics, especially with **Nanografi Smart Tech's high-quality smart technology solutions & services.**

Nanografi Smart Tech department, operating under Nanografi, provides leading-edge solutions across various technology areas, including **high-security brand protection, smart packaging, diagnostic technologies and biosensors** advancing global innovation while adhering to Nanografi's high-quality standards.

**Nanografi Smart Tech offers an innovative approach, a robust innovation infrastructure and continuously developed projects committed to building a sustainable future, pushing the boundaries of technology and science.**

