

# Research Center for Sustainable Development

## Cross-Disciplinary Research

Breaking academic silos by unifying distinct colleges and research centers into sustainability-themed, high-impact task forces.

## University-Hospital Synergy

Bridging the critical intersection of Big Health and Environmental Sustainability through integrated clinical partnerships.

## Practical Talent Cultivation

Closing the academia-industry gap by importing national certifications and real-world industrial challenges into the curriculum.

**Core Takeaway:** The Center functions as the central integration engine linking government policy, industry trends, and societal needs.

# Pillar 1: Dual-Track Research Architecture



## Track A: Environmental Tech & Smart Agriculture (Campus Focus)

Establishing a dedicated **Net-Zero Emissions Technology** task force.

Driving innovation in **Smart Greenhouses & Sustainable Agriculture**.



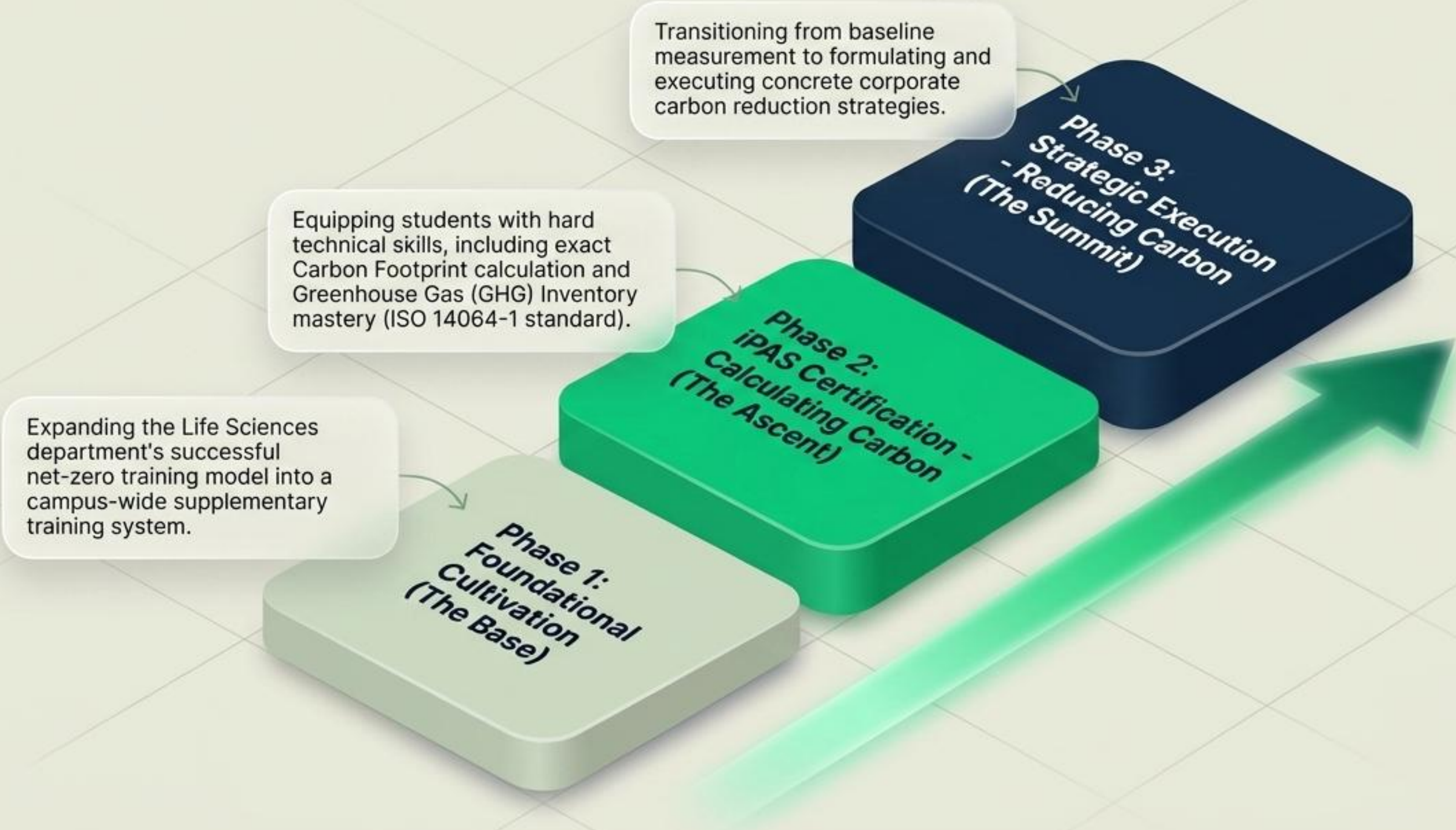
## Track B: Institutional Integration (Clinical Focus)

Deepening **integrated research plans** with **affiliated hospitals**.

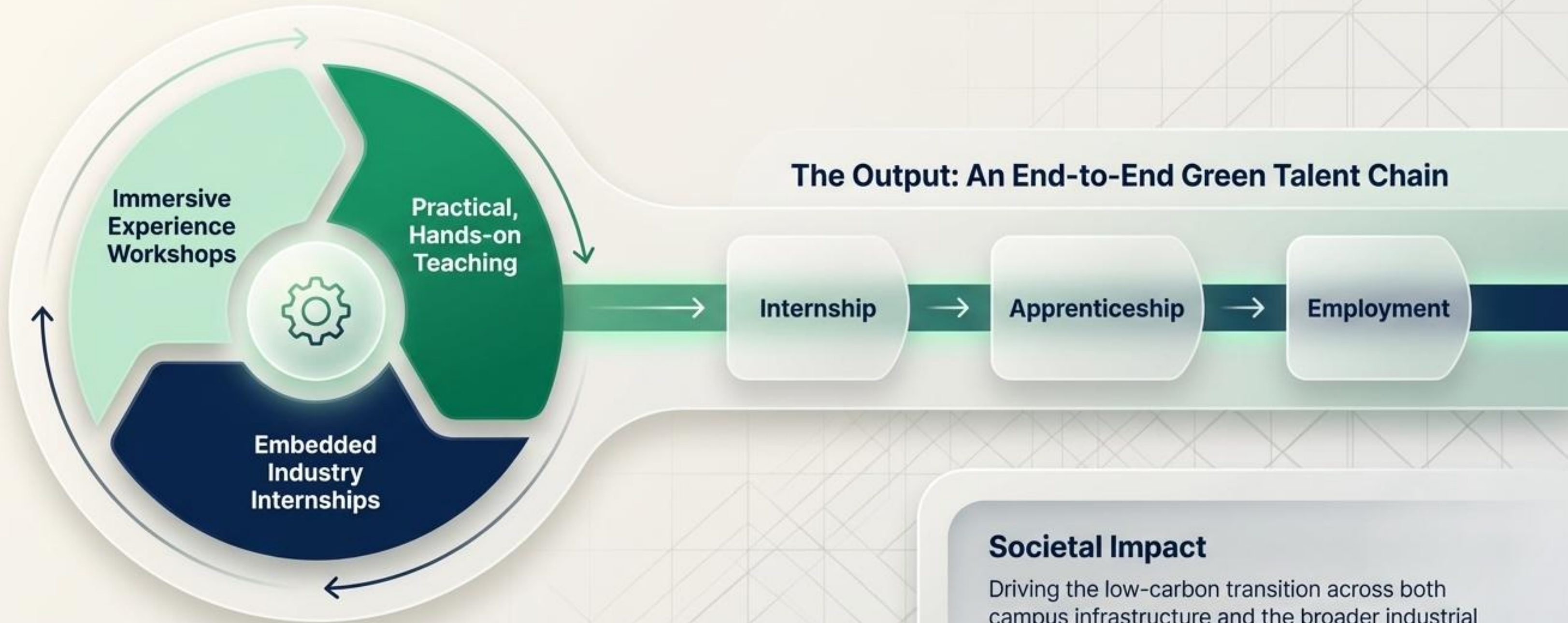
Pioneering solutions in **Environmental Medicine**.

Executing the **Hospital Low-Carbon Transition** initiative.

# Pillar 2: The Green Talent Pipeline



# Pillar 3: Industry & Social Impact



## The Output: An End-to-End Green Talent Chain

Internship

Apprenticeship

Employment

## Societal Impact

Driving the low-carbon transition across both campus infrastructure and the broader industrial sector through applied green education.

# Strategic Action Roadmap

## Portfolio Grid

Quarter 1

Quarter 2

Quarter 3

Quarter 4

### National-Level Ambitions

**Securing NSTC Mega-Grants:** Targeting **Net-Zero Tech** and **Sustainable Development** research projects via consolidated internal teams.

### Year <sup>2026</sup> Flagship Initiative

**Executing Cross-Departmental Project:** Smart Energy Management and Greenhouse Efficiency: Sustainable Precision Agriculture in the Health Plant Industry's Circular Economy.

### Deep Cultivation Project

**Implementing the foundational Net-Zero Sustainable Bio-Resource Talent program.**