



GeoFlux

Where comfort meets net zero

CLIMATE ENGINEERING FOR NET ZERO BUILDINGS

Geothermal • Radiant • MVHR • Building Physics •
Intelligent Energy Systems

New venture by the **D2O Group**



THE PROBLEM

Buildings Were Never Meant To Consume This Much Energy.

Modern buildings depend on mechanical cooling systems that create noise, thermal imbalance, energy loss, and long-term operational inefficiency. Geoflux engineers climate-responsive buildings through geothermal systems, radiant conditioning, intelligent ventilation, and renewable integration.

*"We do not install HVAC systems.
We engineer thermal ecosystems."*

POSITIONING

From HVAC To Climate Engineering

CONVENTIONAL HVAC

- Reactive cooling
- Compressor dependency
- Mechanical noise
- High energy consumption
- Equipment-focused systems

GEOFLUX CLIMATE ENGINEERING

- Predictive thermal engineering
- Earth-coupled thermal exchange
- Silent radiant comfort
- Low operational energy demand
- Building physics integration

GeoFlux



OUR IDENTITY

India's Emerging Climate Engineering Brand

Geoflux is a climate engineering and technology integration company focused on creating ultra-efficient, low-energy environments for residential, institutional, commercial, and industrial infrastructure.

Ground Source Heat Pump Systems

Radiant Heating & Cooling

MVHR Ventilation

Thermal Envelope Optimization

Building Energy Modelling

Renewable Integration

Net Zero Engineering

"We operate at the intersection of engineering performance, human comfort, and sustainable architecture."

Engineered Outcomes

01 Silent Thermal Comfort

Radiant hydronic systems deliver consistent comfort without mechanical noise, draft, or temperature stratification.

02 Intelligent Ventilation

MVHR systems maintain air quality, thermal freshness, and energy balance across all climate conditions.

03 Net Zero Readiness

Every system is engineered to support and accelerate the building's journey toward net zero energy performance.

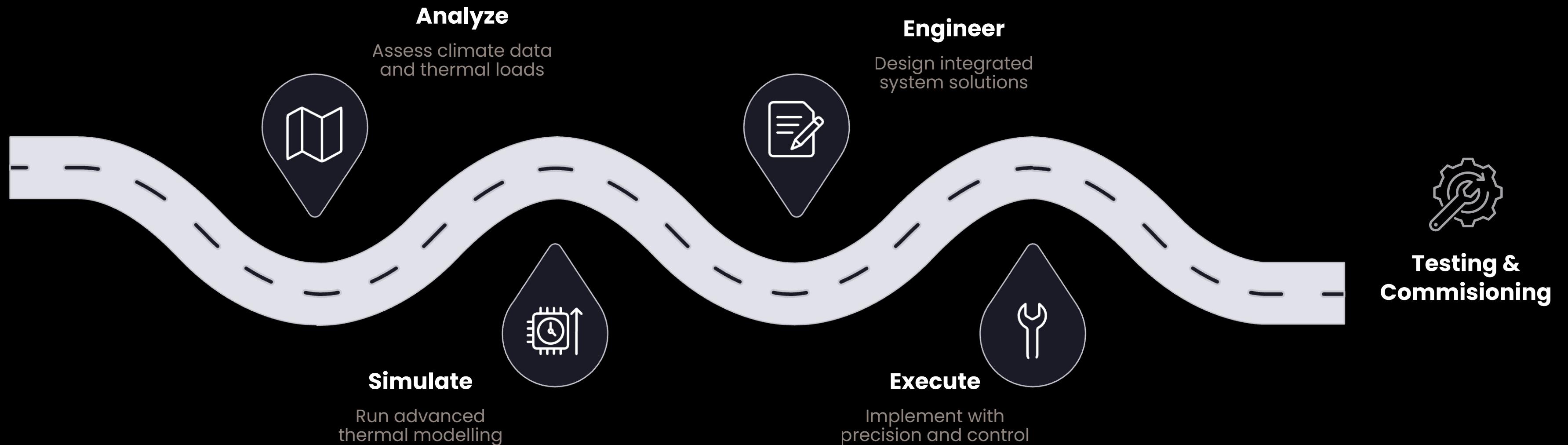
04 Climate Resilience

Earth-coupled infrastructure delivers stable thermal performance independent of ambient weather extremes.

05 Lifecycle Efficiency

Performance-driven integration minimizes operational energy demand and long-term maintenance complexity.

The Geoflux Climate Engineering Method



Each project moves through a rigorous five-phase process — from deep climate analysis and computational simulation, through integrated system engineering and precision execution, to continuous lifecycle optimization. Every phase is designed to eliminate guesswork and deliver measurable, lasting performance.

Integrated Building Performance Stack



01

Geothermal Exchange

Earth as energy source

02

Radiant Hydronic Systems

Silent comfort delivery

03

MVHR Ventilation

Air quality & heat recovery

04

Intelligent Controls

Predictive automation

05

Renewable Integration

Solar PV & net zero coupling

“Every layer engineered as one performance ecosystem.”

The invisible infrastructure powering sustainable buildings.

*Core thermal engineering systems optimized
for low-energy, low-carbon operation.*

TECHNICAL CAPABILITIES



01 Ground Source Heat Pump Systems



02 Vertical Closed Loop Boreholes



03 Vertical Ground Heat Exchangers



04 Radiant Underfloor Heating & Cooling



05 Hydronic Distribution Systems



06 Mechanical Ventilation with Heat Recovery

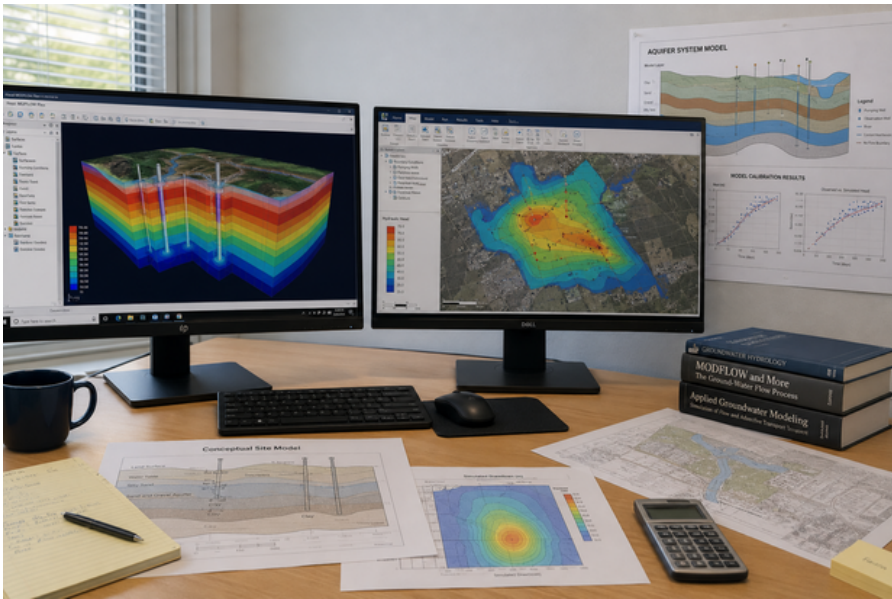
TECHNICAL CAPABILITIES



07 Earth Air Tunnel Systems



08 Thermal Response Testing



09 Aquifer Thermal Modelling



10 Building Energy Simulation



11 Solar PV + GSHP Hybrid Systems



12 Net Zero Infrastructure Integration

PROJECT SPOTLIGHT

Himmatnagar Bungalow

Radiant Underfloor Cooling with Vertical Closed Loop Installation

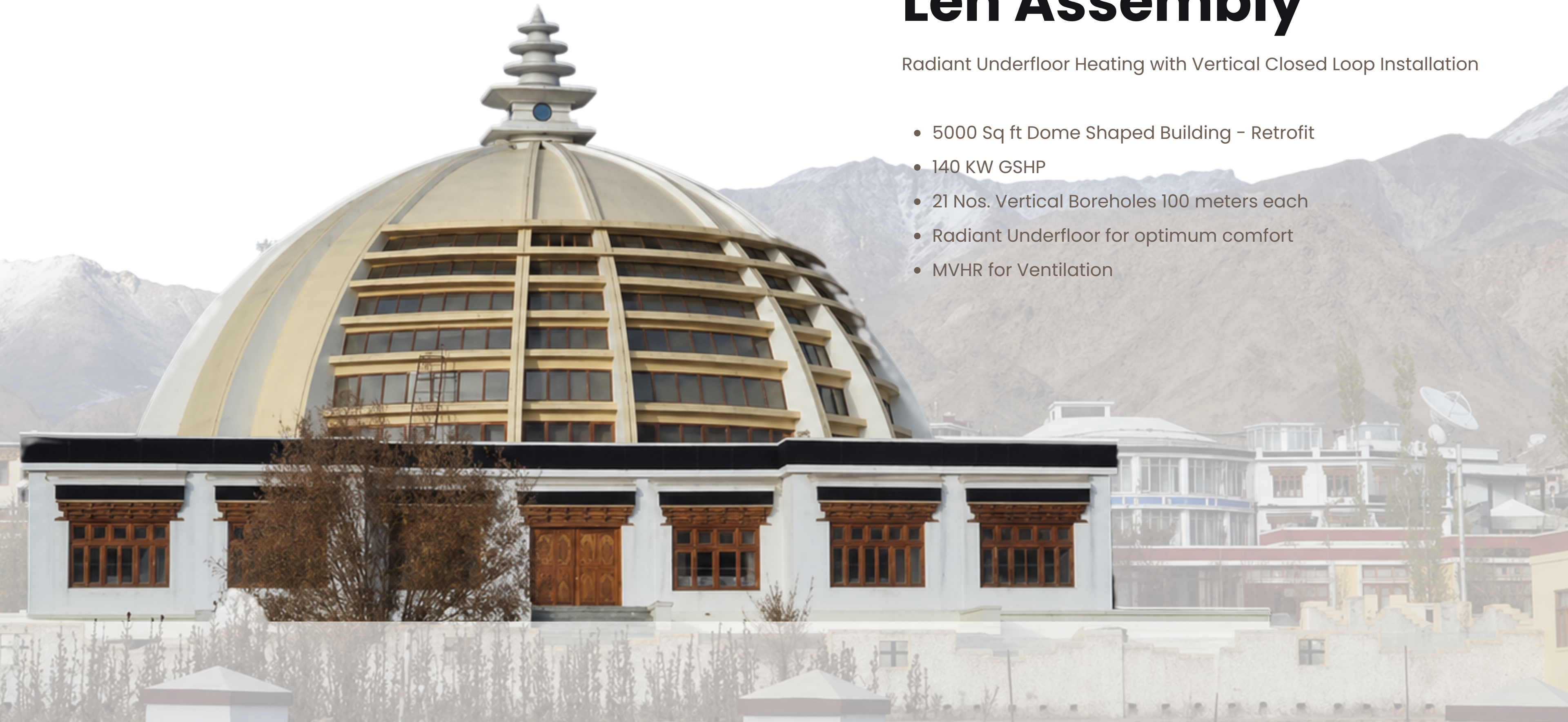
- 10000 Sq ft Luxury Bungalow with Net Zero Targets
- 75 KW – Cooling , Heating & DHW
- 20 Nos. Vertical Boreholes 100 meters each
- Radiant Underfloor for Sensible Load
- Fan Coil Units for Latent Load
- MVHR for Ventilation
- Solar PV integration with GSHP



Leh Assembly

Radiant Underfloor Heating with Vertical Closed Loop Installation

- 5000 Sq ft Dome Shaped Building – Retrofit
- 140 KW GSHP
- 21 Nos. Vertical Boreholes 100 meters each
- Radiant Underfloor for optimum comfort
- MVHR for Ventilation



Sectors We Engineer For



Luxury Residences

High-performance private homes



Hospitality

Hotels, resorts & wellness



Institutional Infrastructure

Government, civic, assembly



Commercial Buildings

Offices, mixed-use developments



Industrial Facilities

Process-critical environments



High-Performance Villas

Ultra-premium residential



Net Zero Campuses

Educational & corporate



Cold Climate Infrastructure

High-altitude & extreme climate

TECHNOLOGY ECOSYSTEM

Global Technologies. Integrated Intelligently.

Geoflux collaborates with internationally recognized geothermal, radiant, ventilation, and renewable technology leaders to deliver systems engineered for performance, reliability, and longevity.

GEOTHERMAL SYSTEMS

RADIANT TECHNOLOGY

HVAC INTEGRATION

RENEWABLE ENERGY

CONTROLS & AUTOMATION

BUILDING PHYSICS

"Building performance without compromise."

GeoFlux



Where Comfort Meets **Net Zero**

Engineering the future of thermal comfort through geothermal intelligence
and climate-responsive design.

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