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ENSOTECH-GLOBAL

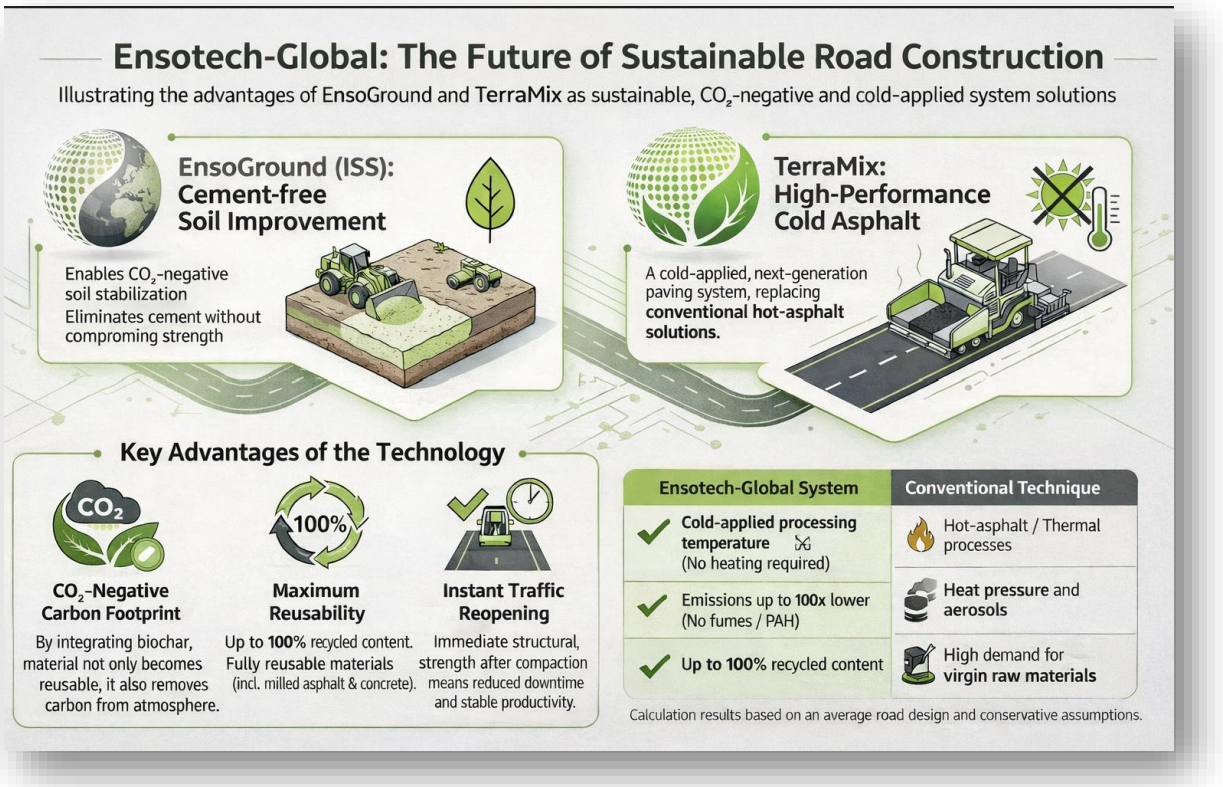
Ensotech – Technology, System and Economic Leverage

Who is Ensotech?

Ensotech-Global is an innovation-driven infrastructure technology company that has developed a novel, fully cold-applied asphalt system which structurally replaces the energy-intensive hot-mix process in road construction.

Unlike incremental improvements of conventional asphalt technologies, this represents a fundamental process innovation. The system eliminates thermal production entirely and integrates CO_2-binding components directly into the material matrix. This creates measurable environmental impact while generating significant economic value.

Ensotech does not position itself as a traditional construction material supplier, but as an international system provider operating under a scalable platform model. Through regional subsidiaries and hub structures across different countries and continents, the technology is implemented in a standardized, quality-controlled and globally scalable manner.

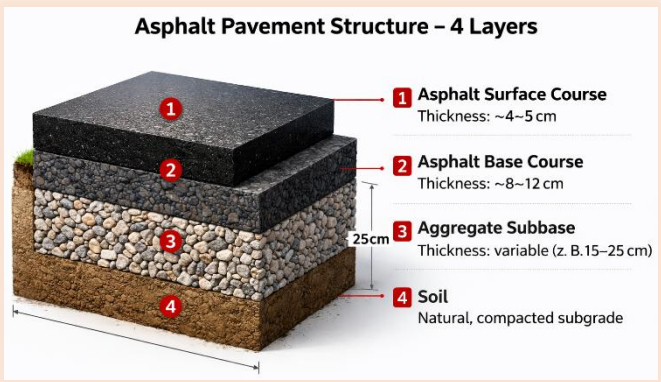


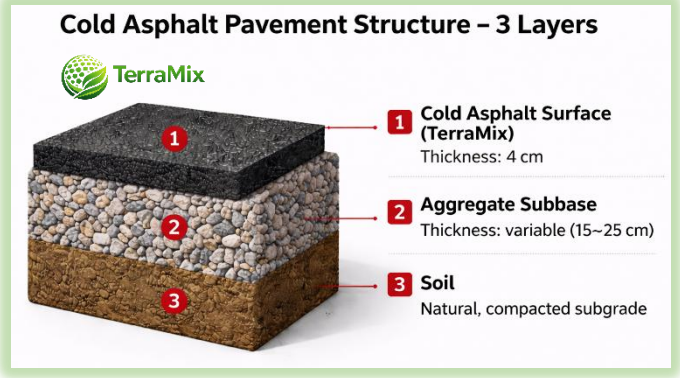
What is the Ensotech System Solution?

The internationally scalable Ensotech system solution is based on a high-performance cold asphalt technology that fully replaces the energy-intensive hot-mix manufacturing process while integrating CO_2-binding components — particularly biochar — directly into the material structure.

The material performance enables reduced layer thicknesses while maintaining or improving structural performance. The structural capacity of the Ensotech system fully replaces the traditionally required base layer, which becomes technically unnecessary within the system design.

This innovative system approach fundamentally transforms conventional infrastructure construction and leads to immediate and **significant reductions in total project costs**.





- **Asphalt Surface Course: 5 cm**
- **Asphalt Base Course: 10 cm**
- Aggregate Subbase: 25 cm
- Soil

15 cm
4 layer

- **Asphalt: TerraMix 4 cm**
- **Asphalt Base Course: 0 cm**
- Aggregate Subbase: 25 cm
- Soil

4 cm
3 layer

These savings result from reduced material consumption, lower machine hours, shorter construction times and decreased labor requirements.

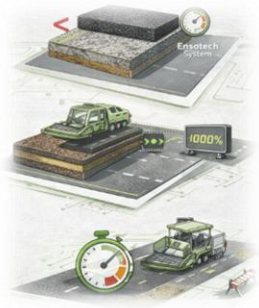
To ensure reproducible system performance under varying local conditions, Ensotech-Global operates a structured accreditation model covering raw materials, mixing technology and installation partners.

What are the Advantages?

Economic Advantages

- Significant material savings due to reduced layer thickness
- Elimination of energy-intensive hot-mix production
- No temperature-controlled transport logistics required
- Reduced construction time leading to lower overall project costs

Technical Advantages



- Significantly thinner structural layers with comparable or improved performance
- High structural load-bearing capacity
- Excellent low-temperature performance
- Reproducible system performance through defined parameters

Environmental Advantages

- Elimination of the energy-intensive thermal production process
- Permanent CO_2 binding through integrated biochar
- Reduced on-site emissions
- Reduced heavy truk traffic burden, because of less demand

Structural Advantages

- Reduced dependency on stationary mixing plants
- Decentralized and mobile production capability
- Lower infrastructure requirements for market entry

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