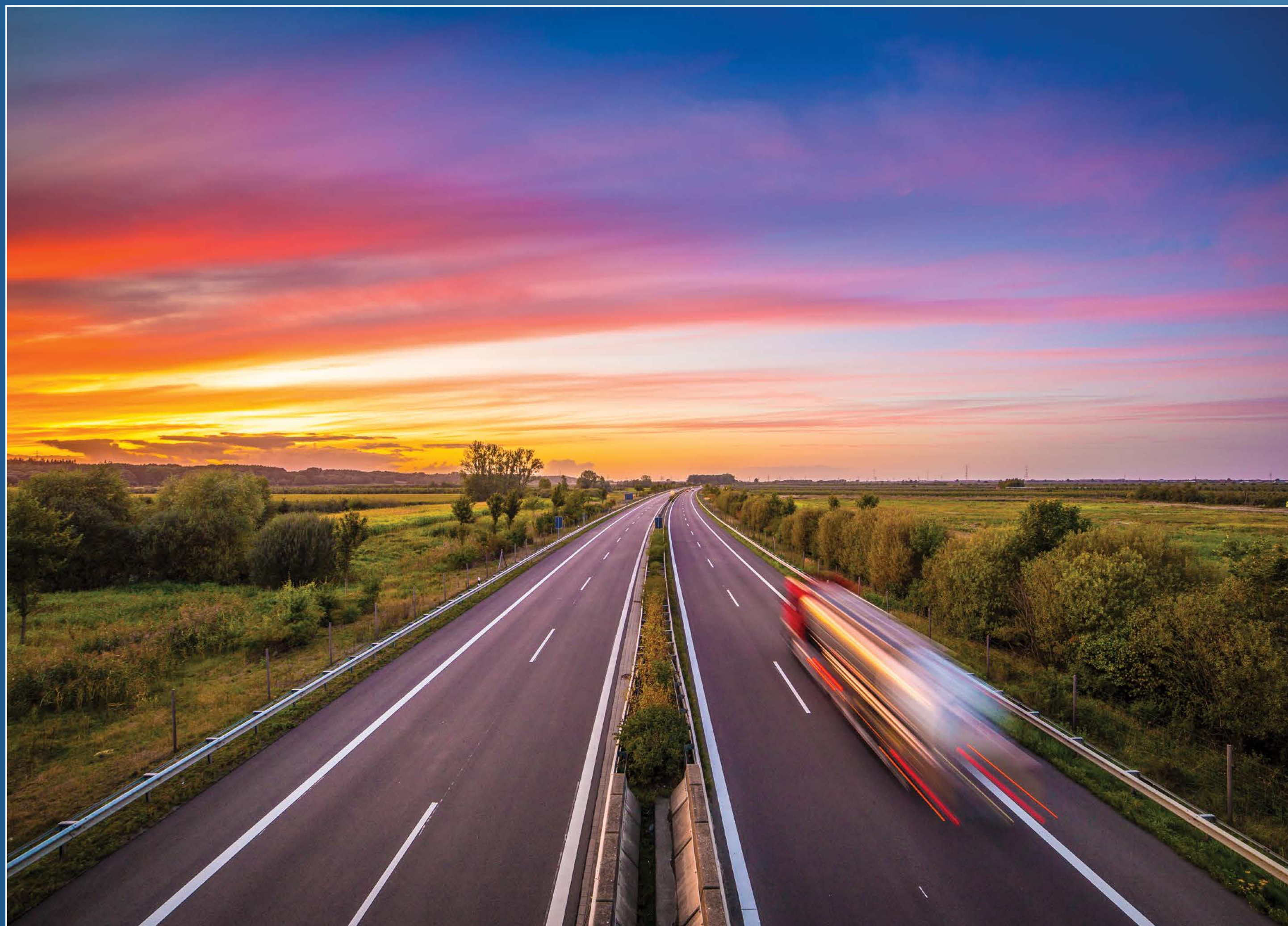


NETL RECEIVES PATENT FOR PROCESS TO PRODUCE GAME-CHANGING CARBON NANOSHEETS

Low-cost NETL process uses coal wastes to produce carbon nanosheets that can lead to safer, fuel-efficient vehicles, durable roads and bridges, and improved computer memory devices.



Carbon nanosheets consist of several atomic layers of carbon that can improve the strength of composite materials and the performance of computer memory devices. However, carbon nanosheets are not widely used in consumer products due to the cost of the material.

- NETL's process reduces production costs by eliminating the need for expensive graphite feedstocks.
- The NETL process instead relies on inexpensive components — coal waste and potassium chloride or sodium chloride (salts).
- These materials are heated in a simple manufacturing process to produce a superior quality graphene-like material that is significantly less expensive.

RESEARCH PRIORITY



DOMESTIC CRITICAL MINERALS PRODUCTION

PERFORMERS



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U.S. DEPARTMENT OF
ENERGY

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