

# CONDUCTIVE GRAPHITE

## Invention summary:

Sri Lanka (Ceylon) is the world's purest vein graphite producers since the early 18<sup>th</sup> century. Graphite of natural purity above 99% carbon at Kahatagaha and Ragedara mines are world popular forms. Industrial Technology Institute disclose s an innovative technology to produce conductive graphite in high volumes.

## Technology overview:

Conductivity of graphite with different values ranging from 1500-2300 S/m were produced from Sri Lankan vein graphite . The ITI transfer the technology to graphite industry and commercialization has begun.

## Potential application:

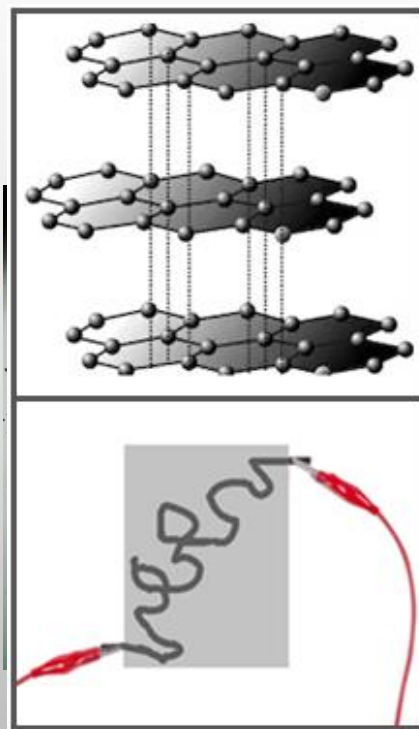
Lithium ion batteries, Advanced lead acid batteries, Primary Batteries, High Electrical Conductivity Requirements, Additives in Polymer and other Industries

## Advantages of the products:

- High conductivity enable high performance as an electrode material in primary and secondary batteries
- Cost effectiveness enable applicability in range of low and high-end industries
- High electrical conductivity drops contact resistance in electrical appliances

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