

Highlights 01

## Miniaturized Switching Transformers for Flyback Power Supplies ECO Series

Serve for AC voltage conversion. TDK technology results in optimized construction and brings out the capabilities of the material to the fullest, contributing to saving energy and resources.

45% lighter Varnish-free 8% better DC RoHS core weight solvents superimposing characteristics

Flat TVs, DVD recorders

## DC-DC Converters for Automotive Use (Air-Coolec

Used in PCUs (Power Control Units) of HEV (hybrid electric vehicles). Provides high efficiency for turning the high voltage from the batteries into the lower voltage required to drive other electronic equipment.

NEOREC53 Series/High Residual Flux Density Type (45SH, 42UH, 38UX, 35NX, 40TH)

Used for main drive motors and power generators, these magnets enable the realization of highefficiency drive systems. They offer excellent thermal characteristics, ensuring that motor power does not drop at high temperatures.

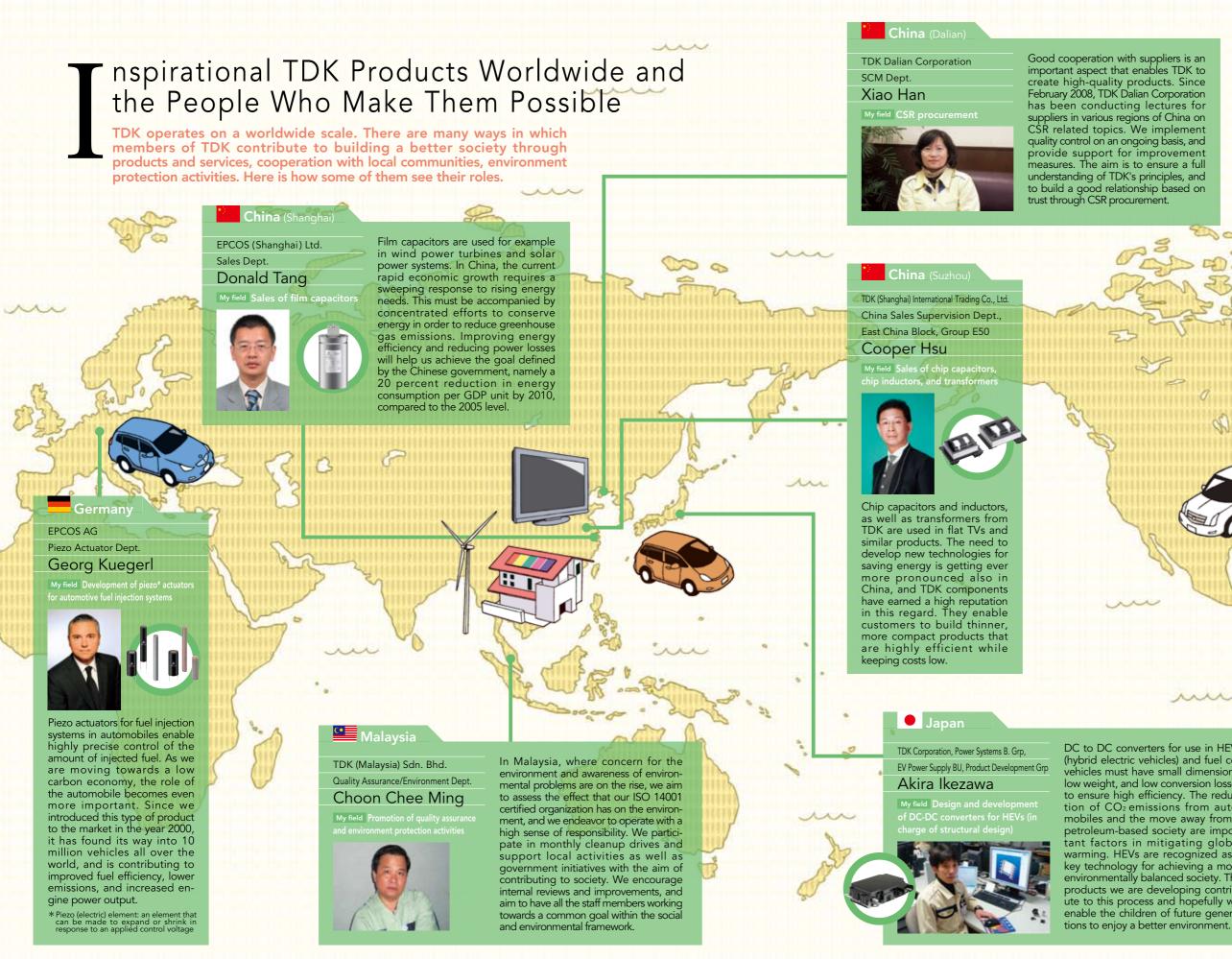


EV/HEV

45% lighter RoHS & ELV

weight

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## Americas

TDK Corporation of America Detroit Sales, Automotive Project **Rick Anderson** 

My field Marketing of power sup

DC to DC converters for use in HEVs (hybrid electric vehicles), EVs (electric vehicles), and fuel cell vehicles must feature high efficiency, low weight, and low cost. In the U.S., many consumers are currently buying HEVs because they want to reduce the load on the environment. DC to DC converters from TDK not only deliver excellent quality but also are priced very reasonably. This helps to make HEVs or EVs more affordable and contributes to their widespread acceptance.

DC to DC converters for use in HEVs (hybrid electric vehicles) and fuel cell vehicles must have small dimensions, low weight, and low conversion losses to ensure high efficiency. The reduction of CO2 emissions from automobiles and the move away from a petroleum-based society are important factors in mitigating global warming. HEVs are recognized as a key technology for achieving a more environmentally balanced society. The products we are developing contribute to this process and hopefully will enable the children of future genera-

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