

# Thick Film Chip Thermistors (TCT Series)

～Utilization of renewable energy～

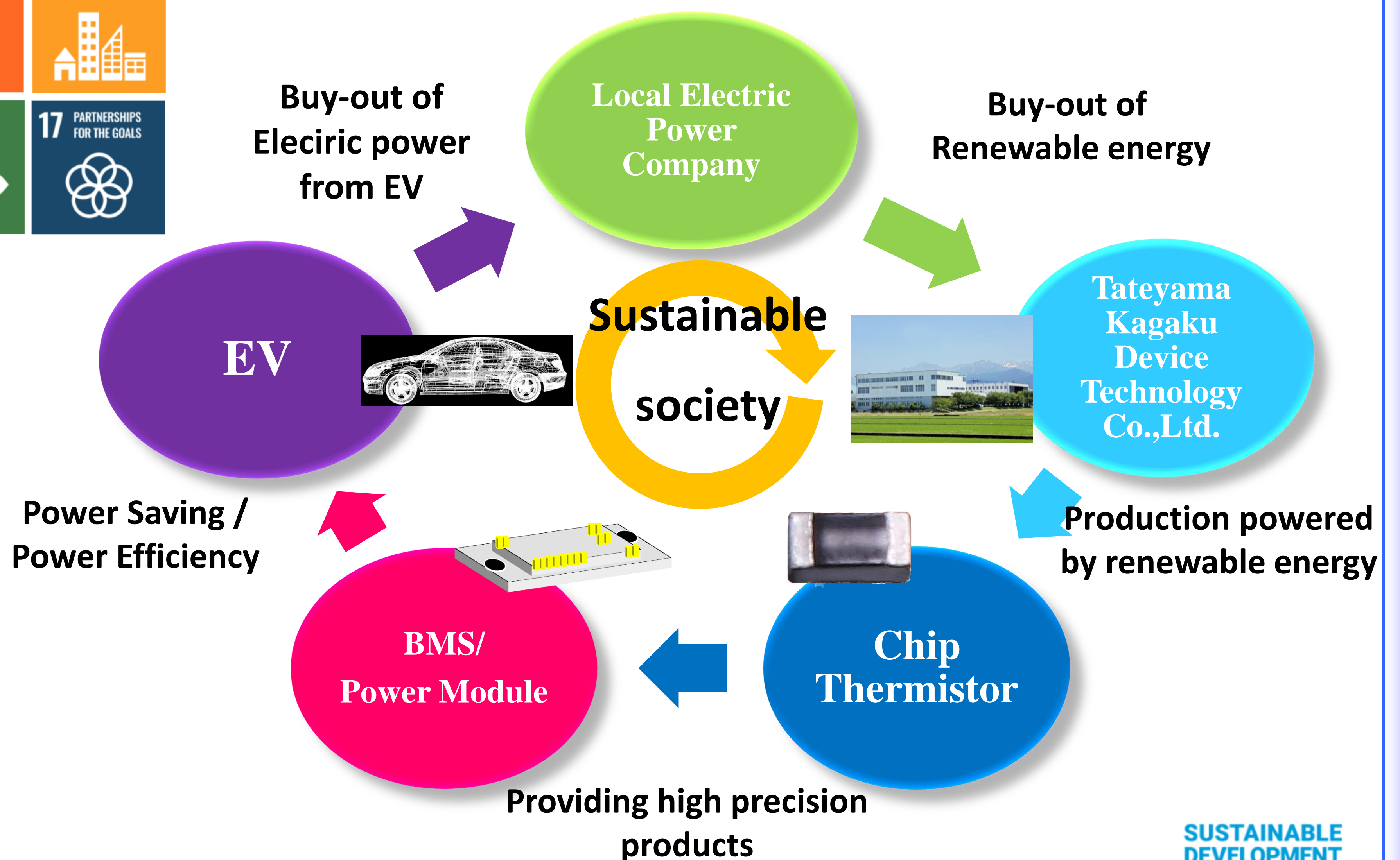
Contributing to **carbon neutrality**  
with **temperature sensor** derived  
from "**Toyama Mizu-no-sato Denki**"

Tateyama Kagaku Device Technology Co., Ltd. produces thick film chip thermistors at a plant that utilizes the regional development electricity project (zero CO2 emissions) of Toyama Prefecture and The Hokuriku Electric Power Company, and is contributing to the decarbonization at the global level.



Reference : [www.rikuden.co.jp/ryokinmenu/miraisouseidenki.html](http://www.rikuden.co.jp/ryokinmenu/miraisouseidenki.html)

## Certification



We will grow to contribute to a sustainable society!





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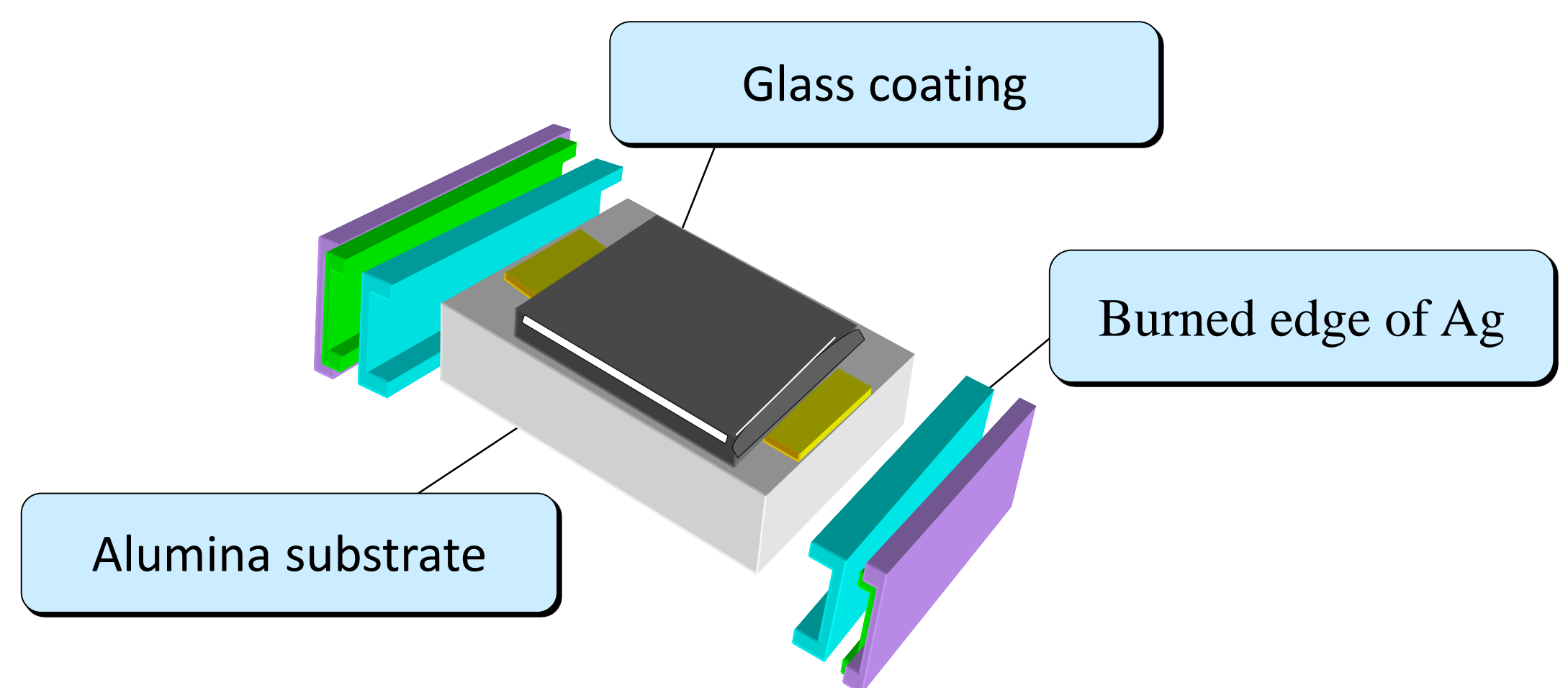
IATF16949 Certified

Tateyama Kagaku's original patented Thick Film Structure  
by pursuing material design and Mixing process

## Tateyama Kagaku Product



Product



Structure

## Features

- Free combination choice between R/V and B/V  
Realizing a requested temperature curve
- Keeping reliability in higher temperature , more than 150°C  
Please inquire for higher temperatures , 175°C and 200°C
- High mechanical strength by Alumina base & Glass coating
- Superior thermal responsiveness due to small cubic volume & heat capacity
- Superior Resistance-to-thermal shock compared to multi-layer structure
- Strong at resin sealing by glass coating

## Applications

- Automotive/Measuring outside air temp. ,  
Temp. detecting of cooling water, controlling headlight
- Space /Temp. detecting of controlling board,  
Temp. monitoring of heating element and component
- Industrial /Temp. compensation of  
IGBT module, Preventing overheating of inverter
- Printer /Compensation of Dot density,  
Temp. detecting of controlling board FET
- Communication equipment/  
Temp. correction of crystal oscillator, battery protection circuit



Company URL <https://www.tateyama.jp/dt/en>