



# CGWシリーズ-2液性室温硬化放熱グリス

Thermal-conductive greases CGW® series

## 室温硬化型二液性シリコン放熱グリス

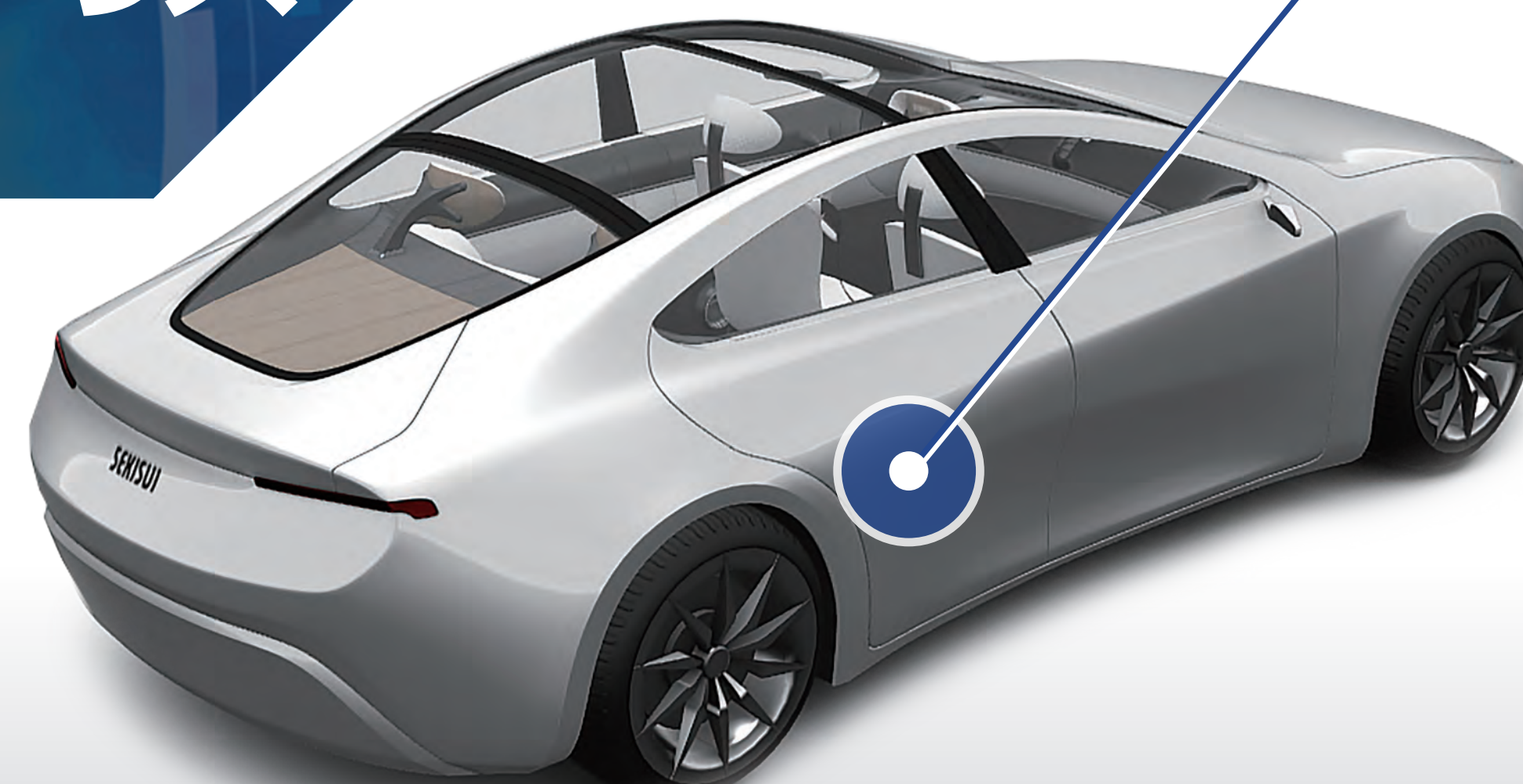
Two-component silicone-based thermal conductive grease curing in room temperature

### 用途事例

Potential applications

### LiB、車載電装

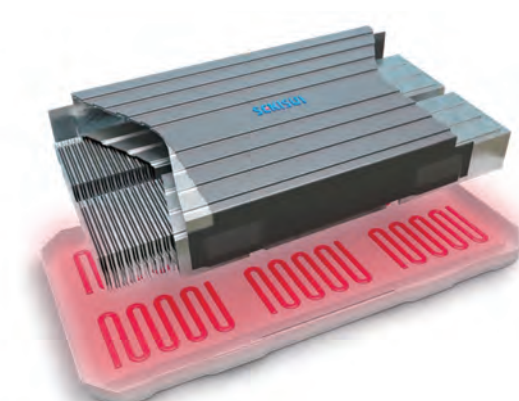
Lib, Automotive electrical equipment



### Challenge

#### 高温によるバッテリー性能の劣化

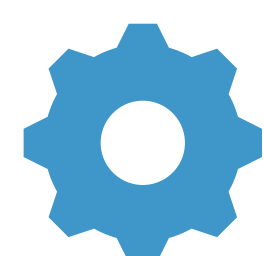
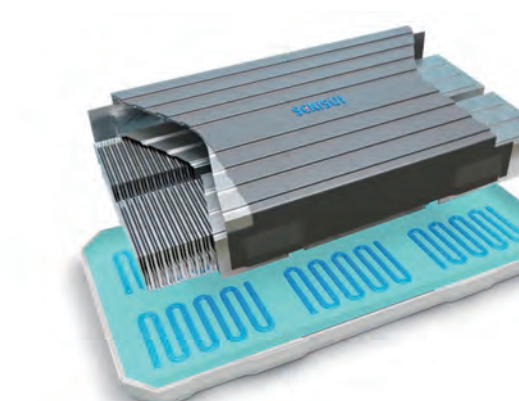
Battery performance degradation due to high temperatures



### Solution

#### 低シロキサンの室温硬化放熱グリス

Heat dissipation grease of low siloxane curing in room temperature



### Technology 技術情報

Technical overview

feature 01

### 幅広いラインナップ

Variable product line-up

2W/m・K～12W/m・K (Development)

高電圧、高熱部位への適用に適しています。 Suitable for high voltage & high heat density application.

Item	Unit	CGW-2	CGW-3LW	CGW-3.6	CGW-4 (development)	CGW-4.5	CGW-6 (development)	CGW-12 (development)
Thermal Conductivity	W/m・K	2.0	3.0	3.6	4.0	4.5	6.0	12
Specific Gravity	-	1.95	2.20	2.85	2.90	3.15	3.40	3.30
Hardness	Shore OO	50	55	40	55	55	40	80
Breakdown Voltage	kV/mm	≥10	≥10	≥10	≥10	≥10	≥10	≥10
Flame Retardance	UL94	V-0	V-0	V-0	V-0	V-0	V-0	V-0

feature 02

### 低比重

Light weight

車輛の軽量化に貢献

Contributes to vehicle weight reduction

Grease usage amount in one BEV=3L

Item	Unit	Past product CGW-3
Thermal Conductivity	W/m・K	3.0
Specific Gravity	-	2.80
Weight (on BEV)	kg	8.4



-1.8kg

Current product CGW-3LW
3.0
2.20
6.6

feature 03

### グローバルでの供給体制

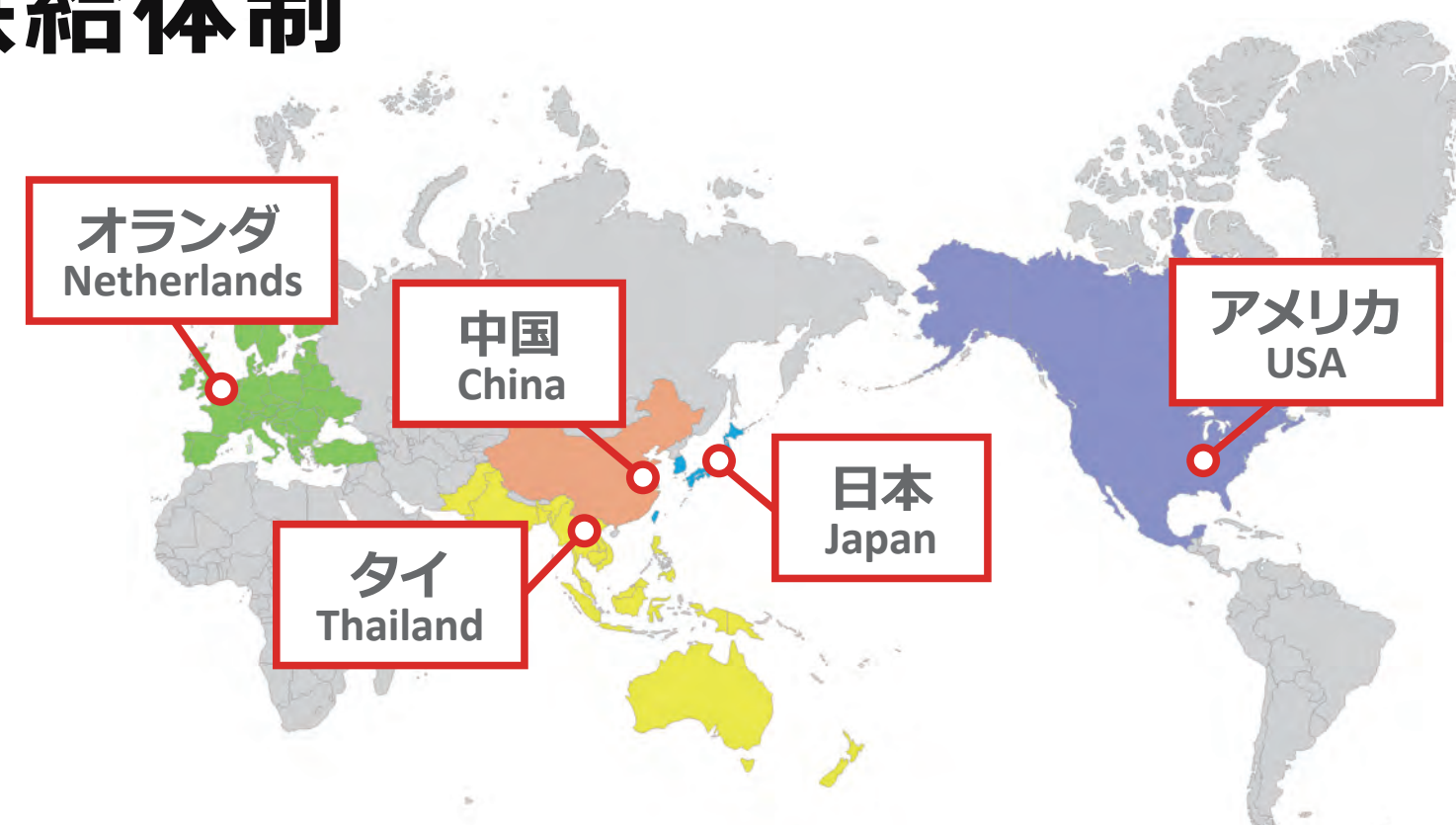
Global supply chain

輸送費、リードタイムの低減

Reduction of transportation cost and transportation LT

輸送による CO2 排出量の低減

Reducing CO2 emissions from transportation



展示会特設Webサイト  
1/29(月)より製品資料公開  
Exhibition Special Website  
Document D/L from Mon, 29 Jan.

feature 04

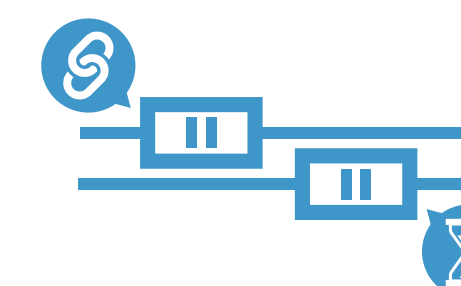
### 接着タイプのラインナップ (開発品)

Thermal conductive adhesive (Development)

#### SEKISUI Technology

##### 接着力 / 反応速度のコントロール

Controlling the adhesive strength and reaction speed



#### プロセス適合性 (粘度 / 反応速度)

Process suitability (viscosity, curing speed)

Dispensing

Assembly

Curing

Storage

#### 接着信頼性と取り外し性の両立

Balancing both adhesion and removability

Maintenance / End of Life

Customer use

Sales

Car body Assembly

SEKISUI

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