

# 高筒内圧エンジン用Bi合金オーバーレイ軸受

Bismuth alloy overlay bearings for high cylinder pressure engine

## 市場の課題 Issues

### 排出ガス,燃費規制に向けた高筒内圧下での耐久性

Durability under high cylinder pressure to meet exhaust gas and fuel efficiency regulations

## 大豊グループからの提案 Proposal

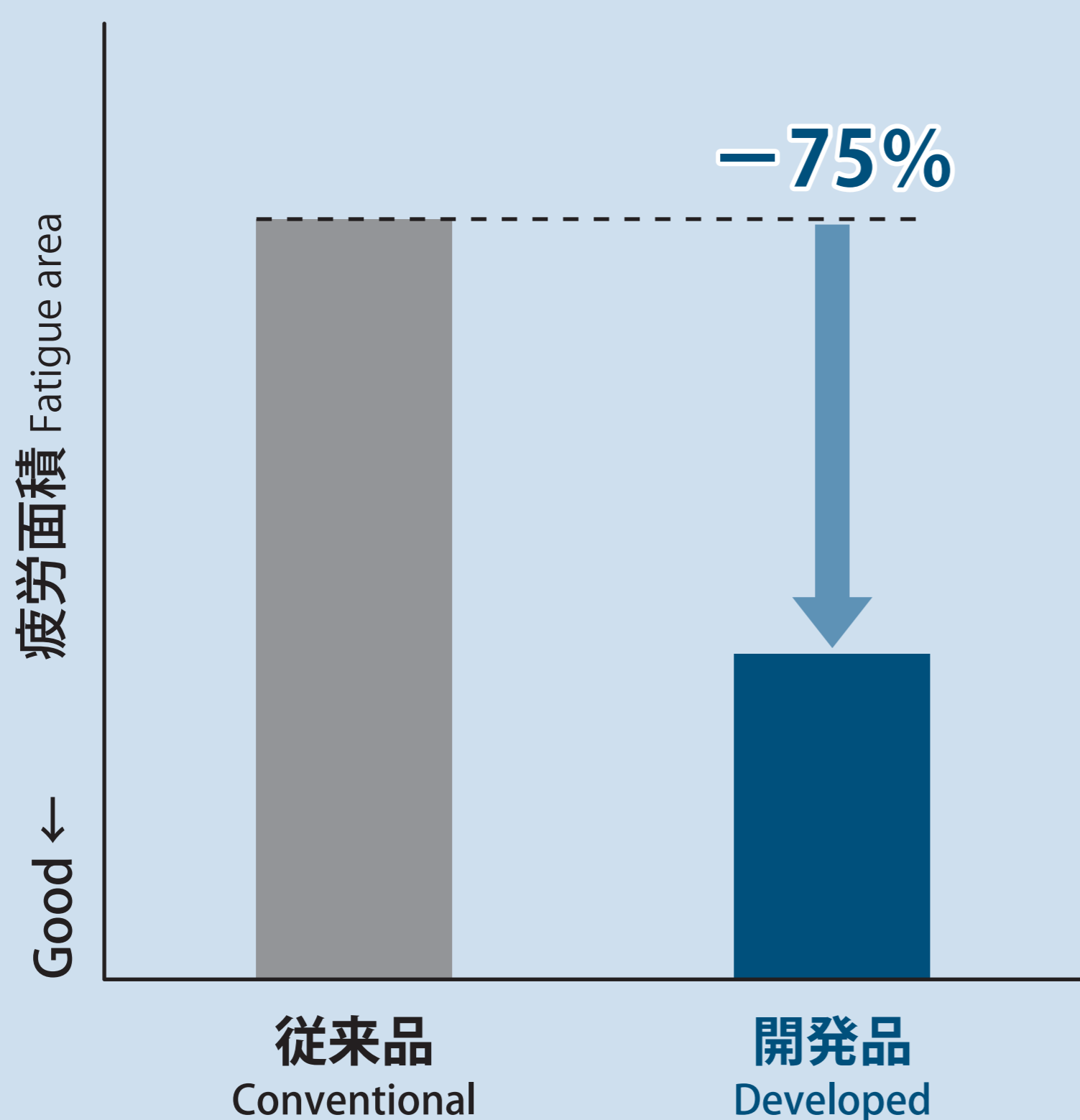
### 高負荷対応・長寿命化を実現した世界初のBi合金オーバーレイ軸受

The world's first bismuth alloy overlay bearing that supports high load capacity and long life

## 第72回 自動車技術会 技術開発賞を受賞!

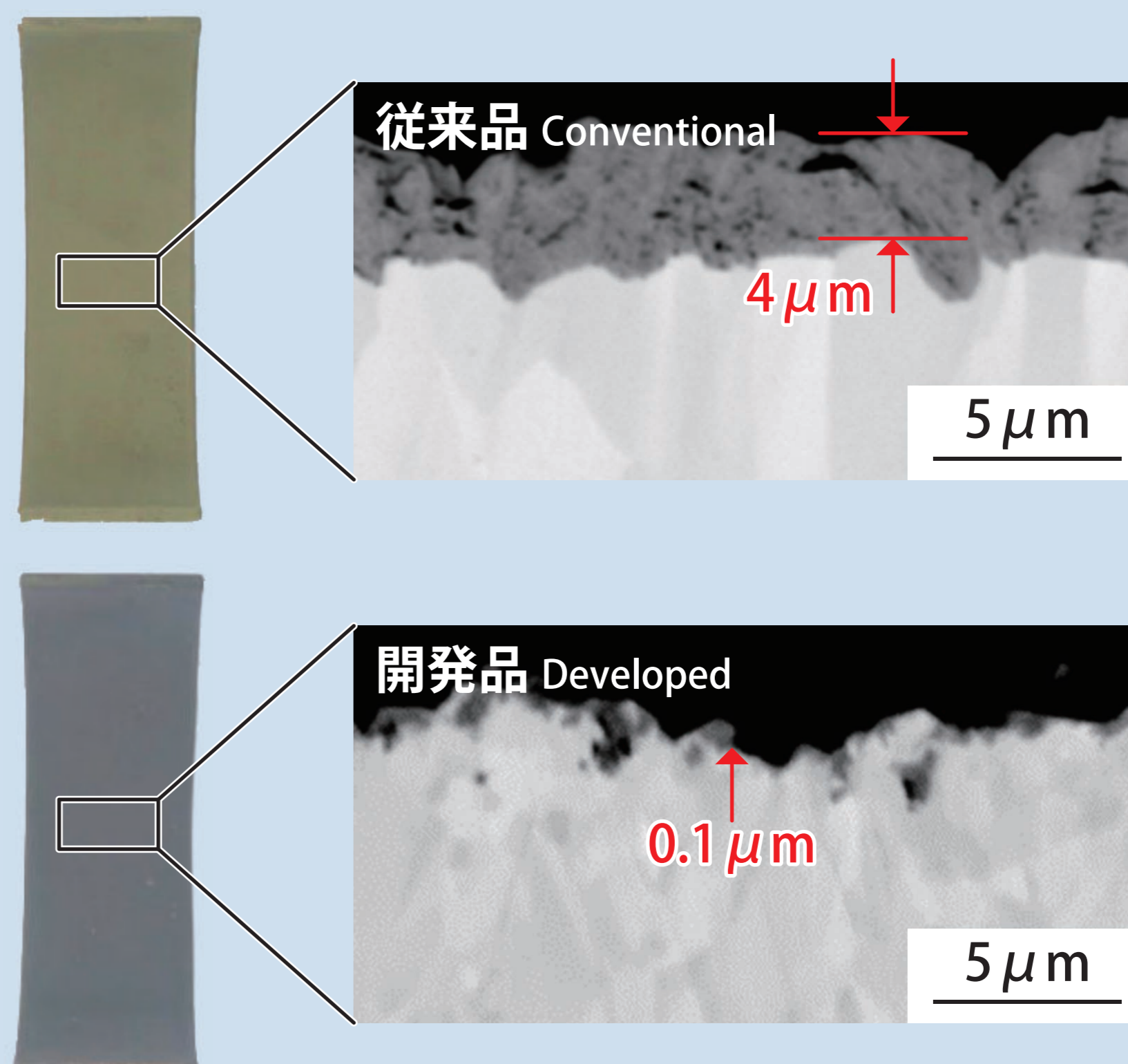
Received the 72nd society of automotive engineers of Japan technology development award

### 耐疲労性 Fatigue resistance



疲労面積75%低減  
Fatigue area reduced by 75%

### 耐酸化性 Oxidation resistance



酸化物層厚さ97%低減  
Oxide layer thickness reduced by 97%

### 適用例 Application

主軸受、コンロッド軸受  
Main bearing, Connecting rod bearing