

## Consultation case on collaborative research by transportation equipment manufacturers for new technologies that use fuels that do not emit carbon dioxide (1)

A case in which **four transportation machinery manufacturers**

- (1) jointly establish a technical research association,
- (2) jointly conduct basic research on new technology using fuel that does not emit carbon dioxide, and
- (3) share the results of the research with each other

### ○ Overview of the initiative

Businesses other than the four firms may also participate in the Partnership, as long as they are users of the research results and have appropriate technology

**Technical Research Association**  
(4 transportation machinery manufacturers)

#### **The joint research**

Obtaining knowledge of observable facts and phenomena regarding the new technology and identifying challenges for standardization of the new technology



#### **Results of the joint research**

Businesses other than those participating in the Partnership may also use the results for free or for reasonable compensation

## Consultation case on collaborative research by transportation equipment manufacturers for new technologies that use fuels that do not emit carbon dioxide (2)

### Viewpoints from Antimonopoly Act

- ✓ Whether or not it constitutes an “**unfair restriction of trade**”  
by restricting competition among the four transportation machinery manufacturers
- ✓ Whether or not it constitutes a “**private monopolization**”  
by excluding competitors of the four manufacturers from the market

### Analysis by the JFTC

- Since the joint research is for basic research on this new technology to create technology for the realization of a green society, and does not target specific product development, it is unlikely that product development competition will be impaired among the participants
- There are a considerable number of apparent or potential research and development entities related to the new technology
- It is recognized that this joint research needs to be conducted jointly because it is difficult for one company to undertake the said research alone etc.
- Considering the above circumstances, even if taking into account that the total market share of the four companies in the field of manufacturing and sales of transportation equipment in Japan is approximately 90%, the efforts in this case will not substantially restrict competition in the technology market or the product market
- Businesses other than the four companies may participate in the partnership if they use the results of the research conducted by the partnership in their business and if they have reasonable skills related to the development of the new technology in question
- Businesses other than those participating in the partnership may also use the results of the research conducted through this initiative free of charge or for reasonable compensation
- Based on the above, this initiative will not result in the exclusion of transportation equipment manufacturers other than the four companies from the technology market or the product market

- ✓ **JFTC's Answer:**  
**This initiative is not problematic under the Antimonopoly Law**