

## External Awards

### Excellence Award of the 23rd Environmental Communication Awards

JFE Group CSR REPORT 2019, issued in September 2019, won the Excellence Award of the 23rd Environmental Communication Awards, hosted jointly by the Ministry of the Environment and Global Environmental Forum. This marks the first recognition for the JFE Group.

Environmental Communication Awards recognize outstanding environmental reports targeting multi-stakeholders with the goal of promoting environmental communication between parties involved in the business and to further invigorate environmental initiatives among various media, such as CSR reports, integrated reports, and environmental management reports. For the 23rd awards, 180 reports were submitted for judgement under the environmental report category and 118 reports under the environmental management report category. The JFE Group was recognized as one of 25 excellent reports under the environmental reporting category. The award ceremony was held on Wednesday, February 19, 2020 at Shinagawa Prince Hotel.



Please see the following for further details.

- ▶ [JFE Group CSR REPORT 2019 receives Excellence Award of the 23rd Environmental Communication Awards \(Japanese only\)](https://www.jfe-holdings.co.jp/release/2020/02/200220.html)  
(<https://www.jfe-holdings.co.jp/release/2020/02/200220.html>)

### JFE-METS Receives Grand Prize of the Minister of Economy, Trade and Industry for the 2019 Energy Conservation Grand Prize Award

Multi-site integrated energy network services, offered by JFE Engineering under the service brand JFE-METS, received the Grand Prize of the Minister of Economy, Trade and Industry under the Product and Business Model Category of the 2019 Energy Conservation Grand Prize Award, the highest-ranking award in this category. Instead of applying the conventional method for optimizing energy by site, JFE-METS offers an energy optimization service for collectively managing multiple sites by business unit, area, or other entity. The service enables comprehensive energy saving through the interchange of electricity within a business including remote sites. JFE Engineering takes responsibility for analyzing each customer's actual energy consumption and implementing and operating relevant equipment at each site to achieve overall optimization.

Please see the following for further details.

- ▶ [JFE-METS is awarded Grand Prize of the Minister of Economy, Trade and Industry for the 2019 Energy Conservation Grand Prize Award for realizing energy saving through collective energy management of multiple sites \(Japanese only\)](https://www.jfe-eng.co.jp/news/2020/20200130.html)  
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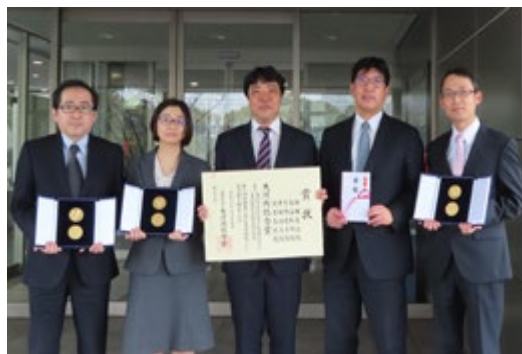
## External Awards for Research and Development

### ■ Awards for Technologies and Product Developments (FY2019)

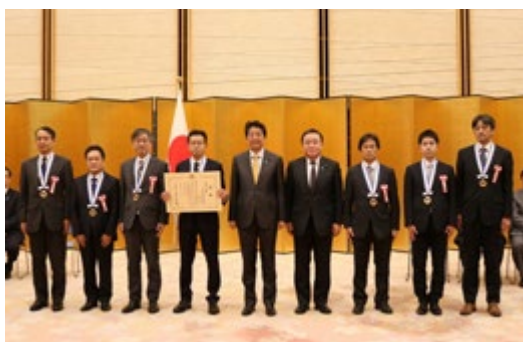
	Prize/Award	Project	Sponsor
JFE Steel	The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology (Prizes for Science and Technology, Development Category)	Development of high-strength, high-workability thin steel sheets using innovative micro system control technology	Ministry of Education, Culture, Sports, Science and Technology
	Japan Society for the Promotion of Machine Industry President's Award (Machine Promotion Award)	Development of the world's fastest temper mill	Japan Society for the Promotion of Machine Industry
	Okochi Memorial Prize	Development of assembled organ control-type brittle crack propagation arrest thick steel plate	Okochi Memorial Foundation
	Prize of the Chairman of ECCJ for Energy Conservation Best Practices at Workplaces, Energy Conservation Grand Prize Award	Energy saving by reducing heat loss during the use of molten iron transport container at steelworks	The Energy Conservation Center, Japan
	Prime Minister's Prize for Monozukuri Nippon Grand Award	Development of resource saving Si gradient magnetic material contributing to energy saving of electronic devices	Ministry of Economy, Trade and Industry
	Japan Institute of Invention and Innovation Chairperson's Award (National Commendation for Invention)	Invention of a magnetic steel sheet that facilitates miniaturization and higher efficiency electronic devices	Japan Institute of Invention and Innovation
	Derwent Top 100 Global Innovators 2018-19	JFE Steel's activities for intellectual properties	Clarivate Analytics
JFE Engineering	Grand Prize of Minister of Economy, Trade and Industry for Energy Conservation Grand Prize Award	J-METS: multiple-site integrated energy network service	The Energy Conservation Center, Japan
	Progress Award (Technology)	Establishment of boiler corrosion countermeasure technology and increased power generation at waste incineration facilities	The Japan Institute of Energy
	Prize of Director-General, Industrial Science and Technology Policy and Environment Bureau, METI, for Excellent Environmental Equipment Award	Fully automatic general waste incineration equipment using AI and data analysis technology	The Japan Society of Industrial Machinery Manufacturers



Japan Society for the Promotion of Machine Industry President's Award (Machine Promotion Award)



Okochi Memorial Prize



Monozukuri Nippon Grand Award (Prime Minister's Prize)



The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology (Prizes for Science and Technology, Development Category)