
TMEIC Releases a New Concept Film 2027 – The Future of Steelmaking

– Future Image Realizing an Integration of Plant Control Knowledge and Digital Technologies –

Toshiba Mitsubishi-Electric Industrial Systems Corporation (hereinafter, “TMEIC”; President & CEO Masahiko Yamawaki) has released a new conceptual film *The Future of Steelmaking*. The new film conveys in what ways TMEIC aims to provide new value for metals industry customers going forward by depicting a future image of customers’ production activities.

TMEIC has manufactured large capacity industrial motors and drives and built high-performance and innovative electric drive control, instrumentation and computing systems with its proprietary engineering capability for metals plants over decades. Through these products and systems, up until now TMEIC has been realizing optimal automation for metals industry customers around the world, and contributed to production stability and manpower- and energy-saving. By such an abundance of experience, the Company possesses extensive technical knowledge accumulated over decades relating to metals’ plant control and automation, such as high control precision, monitoring functions and quality, precision of products and others.

Amid the environment in which big data application and AI utilization are progressing at production sites, constantly advancing digital technologies have high potential to significantly change customers’ plant operations in the future. TMEIC, by integrating its knowledge of plant control with such advancing digital technologies, is continuously developing solutions addressing customers’ benefits such as production efficiency, product quality, plant stability, knowledge acquirement and environment and energy, and in turn, will create and offer its unique value to realize a new future of the industry as shown in the film.

The film was released in advance in June at METEC 2019 (International Metallurgical Trade Fair with Congresses) held in Dusseldorf in Germany and garnered high recognition from visitors.

The film is available at the following TMEIC website and YouTube.

TMEIC Website: <https://www.tmeic.co.jp/event/metec2019/>

YouTube: <https://youtu.be/qUf4M34niqM>

【Film Content】

◆Episode 1 - Inheritance of Knowledge

The TMEIC diagnosis system is activated when a maintenance worker brings in a replacement part to investigate its malfunction. Enhanced by a skilled worker’s knowledge and experience, the TMEIC system find the fundamental cause after its first diagnosis.



◆Episode 2 - Everlasting Bonds

A corporate director (former engineer) receives a message of a steel plant line stop while at an executive meeting. As he receives reports on the impact investigation and restart of operation through the TMEIC monitoring system, he recalls an engineer with whom he worked years ago when the line started up.



◆**Episode 3 - Speed of Arrow**

An early warning alert suddenly goes off in a supervisory room of a hot strip mill line. Under an urgent situation just before possible big “walking” trouble, can the TMEIC plant control system assist an operator and his manager to make a quick decision appropriately?



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In order to respond to the needs of manufacturing sites that serve as a foundation for supporting society, TMEIC always sets its eyes on the future of industry, society and the environment as an industrial systems integrator striking a balance between the development of society and a beautiful global environment. TMEIC will contribute to manufacturing and environmental management through leading-edge technologies based on its core technologies of rotating machinery, power electronics and engineering.