

4. IoT で可能になる環境にプラスの影響を与える未来工場

(Towards Positive Impact Factories – IoT as an enabler)

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概要：

将来の工場は、ニーズに合った製品を製造することとどまらず、地域社会に良い影響を与え、周囲の空気や水を浄化し、地域の廃棄物を活用し、再生可能エネルギーを供給し、余剰エネルギーを貯蔵する。今後工場全体に適用が広がる IoT 技術によるその可能性を紹介する。

Abstract:

The factory of the future produce required goods and have a positive influence on the local surroundings, improving the quality of air and water, exploiting local waste flows, providing renewable energies and acting as storage for surplus energy. Information technology will further spread over all factory layers, including a broad application of sensors on shop floor level and decisions will be taken decentralized by independent agents. Based on a holistic perspective of a factory the role of IoT will be explored.