

TRINCの空間除電[®]を用いた改善効果が 2022年度 省エネ大賞 経済産業大臣賞を受賞

The improvement effects using TRINC's Phazed Array Ionizer[®] have been received an award "2022 Energy Conservation Grand Prize, Minister Prize of Economic, Trade and Industry"



インデックスカタログ2023 12ページに掲載 Refer to page 12 of TRINC Index Catalog 2023

空間除電[®] = 「ESGの有力手段」が実証される 株式会社豊田自動織機 安城工場様の改善事例

“Phazed Array Ionizer[®] = ESG's effective means” are demonstrated
Examples of Toyota Industries Corporation, Anjo Plant Improvements

導入前の問題点 Problem before introduction	製品品質管理のため工場の全館空調を実施しているが、湿度が下がる冬場は工場内を加湿するために大量の蒸気が必要となり、LNG(液化天然ガス)の使用量が増加 The entire factory was air-conditioned for product quality control, but in the winter when the humidity drops, a large amount of steam was required to humidify the factory, resulting in an increase in the consumption of LNG (liquefied natural gas).
実施事項 Measures content	空間トリックを導入 特に静電気対策が重要なエリアを絞って重点的にユニットを配置 Installation of Phazed Array Ionizer [®] The devices were installed in areas intensively where static electricity countermeasures were especially important.
成果 Achievement	<ul style="list-style-type: none"> より高いレベルでの静電気対策が可能に 湿度管理基準の緩和 工場LNG(液化天然ガス)使用量: 40%削減 <ul style="list-style-type: none"> A higher level of static electricity countermeasures came to be possible Relaxation of humidity control level Reduction of plant LNG (liquefied natural gas): 40%

	従来 Conventional	空間トリック導入後 After introducing Phazed Array Ionizer [®]	削減量 Reduction amount
LNG消費量(千Nm ³ /年) LNG amount used (1,000 Nm ³ /year)	343	205	-138
CO ₂ 換算量(t-CO ₂ /年) CO ₂ equivalent (t-CO ₂ /year)	785	469	-316

