

SMART CONSTRUCTION from EARTHBRAIN

NTT DOCOMO, INC.

döcomo

Digital Transformation of Construction



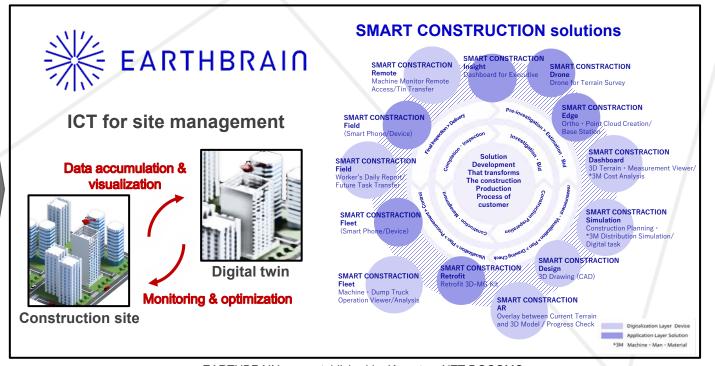




Digital technologies for enhanced productivity, safety and environmental performance at construction sites

Industry Challenges

- · Aging workforce
- Declining productivity due to shrinking working population
- Reforming construction processes worldwide globally due to pandemic



EARTHBRAIN was established by Komatsu, NTT DOCOMO, Sony Semiconductor Solutions and Nomura Research Institute on September 1, 2021.

DOCOMO Initiatives for Smart Construction



Technology on three levels to enhance safety, productivity and environmental performance through digital transformation.

Cyberspace



NTT's digital-twin computing model using location information and vital data

Networks



Mix of network technologies, including DOCOMO Open Innovation cloud, multi-access edge computing, 5G and high-precision location information services

Physical space



AR and VR technologies to accumulate vast information about construction sites



For more information, please contact us at

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