

THE 21ST INTERNATIONAL OPERATIONS & MAINTENANCE CONFERENCE IN THE ARAB COUNTRIES

integrated technical solutions for smart maintenance management

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Introduction



The Solutions



Business Model



Conclusion

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The Experience Is assets

The practical experience accumulated over the years is one of the most important intangible assets of facilities and asset management organizations.

Knowledge transfer

Organizations spend high budgets to maintain these knowledge and transfer them from experienced employees to new employees with little experience.



The Solutions



BIM Building Information Modeling



AR Augmented Reality



EX Expert System RFID

RFID Radio Frequency Identification



RMM Remote Maintenance Management

INS

Indoor Navigation Systems

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- New technology in architecture
- BIM allows facility managers to study alternatives
- Estimating replacement and improvement costs for facilities





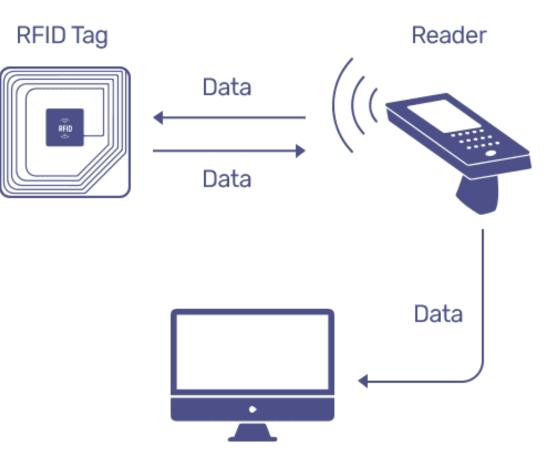
MAINTEC Augmented Reality (AR)



Augmented reality technology is used in many fields such as training, education, entertainment, military applications, medical applications...etc.







- Micro transmitter station.
- Connect things with the database
- Common in follow-up supply chains, products in large production lines and animals.

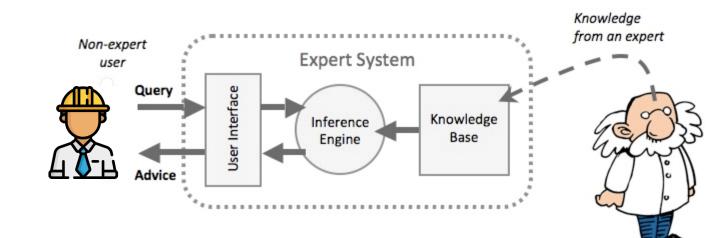


- Indoor navigation directs users with a higher degree of precision ,thro the buildings.
- It does not require a GPS signal.
- Indoor navigation can leverage augmented reality.





- Artificial intelligence uses human knowledge stored in a knowledge base.
- Provides solutions or advice that lead to solutions.
- Knowledge engineering is the construction of an expert system and its practitioners are called knowledge engineers.





Remote Maintenance Management (RMM)

- Common at information technology systems.
- Reducing operation and maintenance cost.
- Build cumulative experience with maintenance teams.
- Providing urgent advice for emergency maintenance.
- Sharing economy opportunity in facilities management.

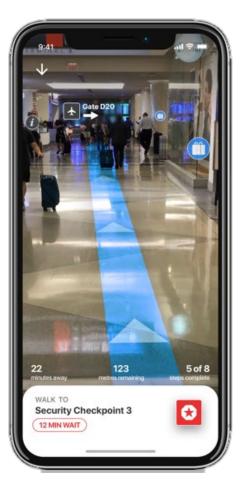




Business Model

(INS) Indoor Navigation Systems

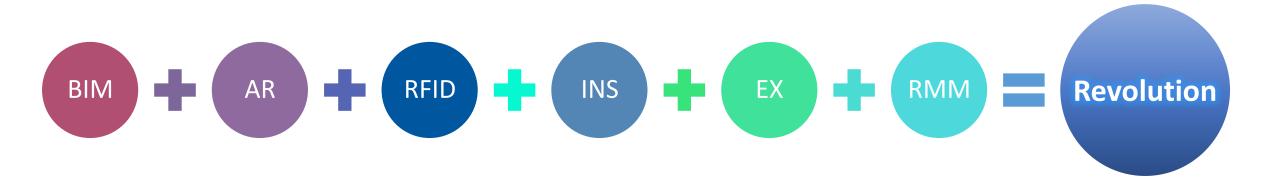


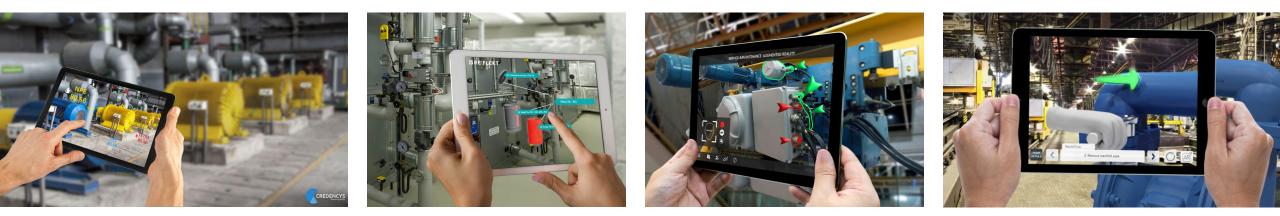


(INS) Indoor Navigation Systems & Augmented Reality (AR)

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- Providing huge raw data for data mining.
- Economics is an important part of the sustainability of facilities
- Sharing economy and facilities management



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THANK YOU!

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