

DOMANDE ORALE - BUSTA 1

- Descrivere cosa fa un software di asset management e illustrare quali sono i principali asset manager.
- Descrivere la differenza tra asset management e gestione del patrimonio edilizio.
- Indicare quale software si utilizza per la preparazione di presentazioni a meeting di gruppo.
- STRALCIO DI BRANO INGLESE DA LEGGERE E TRADURRE



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Information Quality for Effective Asset Management:

A literature review

Janet Y. Chang*, Jorge Merino Garcia**, Xiang Xie***, Nicola Moretti****, Ajith Parlikad*****

[...]

Asset management involves realizing the expected performance of all types of assets – tangible and intangible – through the asset owner's coordinated efforts of managing risks, balancing costs, and seeking opportunities to yield greater value from the assets (The International Organization for Standardization, 2014). Asset management is not a new discipline. Though the concept of asset management is well-trenched in the financial sector, the private and public sectors in different parts of the world did not relate this discipline in managing physical assets until the 1980s. Since then, the concept of asset management has continued to develop fundamental and complex principles to maximize the full potential of physical assets in various sectors (The Institute of Asset Management, 2015).

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DOMANDE ORALE - BUSTA 2

- a) Descrivere le possibili integrazioni tra gli asset manager e gli altri software.
- b) Descrivere la correlazione tra asset management e manutenzione preventiva.
- c) Indicare quale software si utilizza per la gestione di dati e fare grafici o tabelle.
- d) STRALCIO DI BRANO INGLESE DA LEGGERE E TRADURRE



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Asset information can be mainly categorized into static and dynamic for complex-built assets like commercial buildings. Static asset information refers to formal handover documents from the construction phase consisting of the project's geometric and non-geometric information (ISO Technical Committee, 2021). Reliable and valid handover documents are necessary because they establish a baseline of the newly constructed assets for future planning (Abdirad and Dossick, 2020). Conversely, the dynamic asset information includes continuous (sensor data), periodical (e.g., inspection reports), and irregular (e.g., unexpected failure of the asset) (ISO Technical Committee, 2021). The primary purpose of collecting dynamic data is to support day-to-day routine building operations.

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DOMANDE ORALE - BUSTA 3

- a) Definire cosa è il facility management e come si può applicare all'interno di un Ente di Ricerca.
- b) Definire cosa è l'asset management e come applicarlo all'interno di un Ente di Ricerca.
- c) Indicare quale software si utilizza per la rappresentazione grafica di un edificio.
- d) STRALCIO DI BRANO INGLESE DA LEGGERE E TRADURRE



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While a combination of disparate asset information is a requisite for robust decisions, a lack of understanding of quality dimensions associated with the asset information may impede the data-centric asset management approach. Information quality requirements when using emerging technologies are ill-defined (Broo and Schooling, 2020). Given the potential impacts of poor-quality information, the ISO 8000 series provide data quality frameworks and guidelines for measuring and analysing information quality; however, its approach in data quality management is fragmented. Limited knowledge is available to pinpoint quality attributes needed to manage the long lifespan of commercial buildings. This paper provides a systematic review of literature, gaining a comprehensive understanding of quality information attributes necessary to support data-centric asset management functions.

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