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| Descrizione fisica      | 1 online resource (736 pages)   |
| Collana                 | Lecture Notes in Mechanical Engineering, , 2195-4364  |
| Disciplina              | 657.7<br>620.0068   |
| Soggetti                | Industrial Management<br>Building laws<br>Buildings - Repair and reconstruction<br>Buildings - Maintenance<br>Operations research<br>Industrial organization<br>Building Law for Engineers and Architects<br>Building Repair and Maintenance<br>Operations Research and Decision Theory<br>Industrial Organization  |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di contenuto       | Asset valuation, acquisition, and disposal options -- Product-service transformation, and product-service systems -- Asset operations and maintenance strategies -- Sustainable asset operations and maintenance processes -- Dynamic modelling and simulation of asset operations and maintenance -- Reliability and resilience engineering -- IOT and applications of smart and intelligent sensing and instrumentation -- Condition monitoring, diagnostics, prognostics, and asset health indexing -- Industry 4.0 platforms and interoperability of ICT systems -- Augmented and virtual reality applications -- Asset condition, risk, resilience and vulnerability assessments -- Asset management and decision support systems -- Applications of |

international and local guidelines and standards -- Refurbishment, renovation, replacement, upgrade decisions and actions -- Human dimensions and asset management performance -- Blockchain applications. -- Role of cybersecurity in asset management -- Asset management in the energy sector -- Asset management in the healthcare sector -- Asset management in the food and beverage industry -- Asset management in the petrochemical industry -- Monitoring, diagnostics and prognostics for smart maintenance -- Asset management in Agro-allied sector -- Air and Sea ports infrastructure and facilities -- Adventure and wildlife parks infrastructure and facilities -- City and metropolitan infrastructure and facilities.

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## Sommario/riassunto

This book gathers selected peer-reviewed papers from the 16th World Congress on Engineering Asset Management (WCEAM), held in Seville from 5–7 October 2022. This book covers a wide range of topics in Engineering Asset Management, including: Asset management and decision support system Industry 4.0 tools and its impact on asset management Monitoring, diagnostics and prognostics for smart maintenance Asset life cycle management Asset management in the industrial sector Human dimensions and asset management performance Infrastructure Asset management Asset condition, risk, resilience, and vulnerability assessments Asset operations and maintenance strategies Reliability and resilience engineering Applications of international and local guidelines and standards The breadth and depth of this state-of-the-art, comprehensive proceedings make it an excellent resource for asset management practitioners, researchers and academics, as well as undergraduate and postgraduate students.

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