1. Record Nr.          UNINA9910697063403321

   Titolo              Crew Exploration Vehicle (CEV) Avionics Integration Laboratory (CAIL) independent analysis [[electronic resource] /] / Mitchell L. Davis ... [and others]

   Pubbl/distr/stampa  Hampton, Va. : , : NASA Engineering and Safety Center, Langley Research Center, , [2009]

   Descrizione fisica  1 online resource (44 pages) : illustrations

   Collana             NASA/TM ; ; 2009-215569

   Altri autori (Persone)  DavisMitchell L

   Soggetti            Space flight - Electronic equipment
                       Aeronautics - Flights - Electronic equipment

   Lingua di pubblicazione  Inglese

   Formato             Materiale a stampa

   Livello bibliografico  Monografia

   Note generali       Title from PDF title screen (viewed June 17, 2010).
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| 2. Record Nr. | UNINA9910830209803321 |
| Autore | Fogarty Vincent |
| Titolo | Data centre essentials : design, construction, and operation of data centres for the non-expert / / Vincent Fogarty and Sophia Flucker |
| Pubbl/distr/stampa | Hoboken, NJ : , : John Wiley & Sons Ltd, , [2023]<br>©2023 |
| ISBN | 1-119-89884-6<br>1-119-89882-X |
| Edizione | [First edition.] |
| Descrizione fisica | 1 online resource (242 pages) |
| Disciplina | 005.74 |
| Soggetti | Data centers |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Includes index. |
| Nota di contenuto | Cover -- Title Page -- Copyright Page -- Contents -- Acronyms &amp -- Symbols -- Foreword by Tom Glover -- Preface -- Acknowledgements -- Aboutthe Authors -- Chapter 1 Introduction -- Chapter 2 What Drives the Need and the Various Types of Data Centres -- Data Demand versus Compute Efficiency -- Workload Placement -- The Core Components of a Data Centre -- Types of Data Centres -- Entreprise Data Centre -- Colocation -- Public Cloud -- Urban or Edge -- Chapter 3 Site Selection -- Climate -- Access Roads and Airports -- Air Quality -- Likelihood of Natural Disasters -- Ground Conditions -- Communications Infrastructure -- Latency -- Proximity to Subsea Cable Landing Sites -- Density of Fibre Telecommunication Networks Near the Data Centre -- Geopolitical Risks, Laws, and Regulations -- Availability and Cost of Electrical Power -- Natural Resources -- Airport Flight Paths -- Electromagnetic Interference -- Taxes, Regulations, and Incentives -- Incentives -- Know the Stakeholders -- Expect the Unexpected -- Traditional Due Diligence -- Retrofitting Commercial Buildings for Data Centres -- Clusters -- Qualitative Analysis -- Quantitative Analysis -- Chapter 4 IT Operations and the Evolution of the Data Centre -- Beginning of IT Infrastructure -- Bringing Enterprise IT to Maturity -- IT Applications as Standalone Products - The Digital Economy -- Second Iteration of the Internet -- Key Ingredients for Digital Products -- Difference Between Enterprise IT |

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| Sommario/riassunto | Understand the design, construction and operation of data centres with this easy-to-use referenceData centres are spaces where computer systems, physical network technology and associated components are housed, operated and monitored, and any industry or business that employs computer systems or networked systems at any scale will interact with data centres. Data centres are complex and expensive to build and operate, and successful project delivery requires a wide range of specialised knowledge and skills. This accessible reference lays out the requirements for creating these essential facilities.Data Centre |

Essentials is a comprehensive survey of the essential principles of data centre design, construction and operation. It is designed to provide those involved in a data centre project or providing professional service deliverables to the data centre industry but do not have a technical background or deep sector experience with the understanding required to participate in such projects. The non-technical language and thorough engagement with key considerations make it ideal for anyone looking to understand one of the pillars of a digital society.Data Centre Essentials readers will also find:An authorial team with decades of combined experience in engineering and construction consultancyDetailed information about every stage in the process, including securing investment and the building processWorking lexicon of key data centre terminologyData Centre Essentials isa must-own for contractors, engineers and construction project managers involved in data centre projects and will be invaluable for professionals such as lawyers, financial and insurance advisors, surveyors, engineers and architects who do not necessarily have deep domain experience but find themselves involved in or are interested in engaging in, data centre projects.