

## DAFTAR PUSTAKA

- [1] Osayi Philip Igbinenikaro, Oladipo Olugbenga Adekoya, Emmanuel Augustine Etukudoh. Conceptualizing sustainable offshore operations: integration of renewable energy systems. *Int J Front Sci Technol Res* 2024;6:031–43. <https://doi.org/10.53294/ijfstr.2024.6.2.0034>.
- [2] Chudy-Laskowska K, Pisula T. An Analysis of the Use of Energy from Conventional Fossil Fuels and Green Renewable Energy in the Context of the European Union's Planned Energy Transformation. *Energies* 2022;15. <https://doi.org/10.3390/en15197369>.
- [3] Halkos GE, Gkampoura EC. Reviewing usage, potentials, and limitations of renewable energy sources. *Energies* 2020;13. <https://doi.org/10.3390/en13112906>.
- [4] Oyekale J, Petrollese M, Tola V, Cau G. Impacts of renewable energy resources on effectiveness of grid-integrated systems: Succinct review of current challenges and potential solution strategies. *Energies* 2020;13. <https://doi.org/10.3390/en13184856>.
- [5] Solomin E, Kaixuan G, Yanming J, Minghan D. Off-shore PV and wind based energy generation. 2019 Int Conf Ind Eng Appl Manuf ICIEAM 2019 2019:1–6. <https://doi.org/10.1109/ICIEAM.2019.8742965>.
- [6] Zereskian S. Solar-wind hybrid energy system to supply electricity for offshore oil and gas platforms in the Caspian Sea: A case study 2023;1–9. <https://doi.org/10.1049/tje2.12239>.
- [7] Razmjoo A, Gakenia Kaigutha L, Vaziri Rad MA, Marzband M, Davarpanah A, Denai M. A Technical analysis investigating energy sustainability utilizing reliable renewable energy sources to reduce CO2 emissions in a high potential area. *Renew Energy* 2021;164:46–57. <https://doi.org/10.1016/j.renene.2020.09.042>.
- [8] He M, Forootan Fard H, Yahya K, Mohamed M, Alhamrouni I, Awalun LJ. Optimal Design of Hybrid Renewable Systems, Including Grid, PV, Bio Generator, Diesel Generator, and Battery. *Sustain* 2023;15. <https://doi.org/10.3390/su15043297>.
- [9] Jouhara H, Żabnieńska-Góra A, Khordehghah N, Doraghi Q, Ahmad L, Normad L, et al. Thermoelectric generator (TEG) technologies and applications. *Int J Thermofluids* 2021;9. <https://doi.org/10.1016/j.ijft.2021.100063>.
- [10] Madaleno M, Nogueira MC. How Renewable Energy and CO 2 Emissions Contribute to Economic Growth , and Sustainability — An Extensive Analysis 2023;1–15.
- [11] Nota G, Nota FD, Peluso D, Lazo AT. Energy efficiency in Industry 4.0: The case of batch production processes. *Sustain* 2020;12. <https://doi.org/10.3390/su12166631>.
- [12] Bošnjaković M, Santa R, Crnac Z, Bošnjaković T. Environmental Impact of PV Power Systems. *Sustain* 2023;15:1–26. <https://doi.org/10.3390/su151511888>.
- [13] He Y, Li X, Huang P, Wang J. Exploring the Road toward Environmental Sustainability: Natural Resources, Renewable Energy Consumption, Economic Growth, and Greenhouse Gas Emissions. *Sustain* 2022;14. <https://doi.org/10.3390/su14031579>.
- [14] Candra O, Chammam A, Alvarez JRN, Muda I, Aybar H. The Impact of Renewable Energy Sources on the Sustainable Development of the Economy and Greenhouse Gas Emissions. *Sustain* 2023;15. <https://doi.org/10.3390/su15032104>.
- [15] Otsubo Y, Chapman AJ. Assessing Corporate Vendor Selection in the Oil and Gas Industry: A Review of Green Strategies and Carbon Reduction Options. *Sustain* 2023;15. <https://doi.org/10.3390/su152316249>.
- [16] Cherepovitsyna A, Sheveleva N, Riadinskaia A, Danilin K. Decarbonization Measures: A Real Effect or Just a Declaration? An Assessment of Oil and Gas Companies' Progress towards Carbon Neutrality. *Energies* 2023;16. <https://doi.org/10.3390/en16083575>.
- [17] Cherepovitsyn A, Rutenko E. Strategic Planning of Oil and Gas Companies: The Decarbonization Transition. *Energies* 2022;15. <https://doi.org/10.3390/en15176163>.
- [18] Uhanto U, Yandri E, Hilmi E, Saiful R, Hamja N. Predictive Maintenance with Machine Learning: A Comparative Analysis of Wind Turbines and PV Power Plants 2024;2:87–98. <https://doi.org/10.60084/hjas.v2i2.219>.
- [19] Yasemi S, Khalili Y, Sanati A, Bagheri M. Carbon Capture and Storage: Application in the Oil and Gas Industry. *Sustain* 2023;15. <https://doi.org/10.3390/su151914486>.
- [20] Adami L, Schiavon M. From circular economy to circular ecology: A review on the solution of environmental problems through circular waste management approaches. *Sustain* 2021;13:1–20. <https://doi.org/10.3390/su13020925>.
- [21] Yimen N, Tchotang T, Kanmogne A, Idriss IA, Musa B, Aliyu A, et al. Optimal Sizing and Techno-Economic Analysis of Hybrid Renewable Energy Systems — A Case Study of. *Processes* 2020;2–25.
- [22] Faturachman D, Yandri E, Pujiastuti ET, Anne O, Setyobudi RH, Yani Y, et al. Techno-Economic analysis of photovoltaic utilization for lighting and cooling system of ferry Ro/Ro ship 500 GT. *E3S Web Conf* 2021;226. <https://doi.org/10.1051/e3sconf/202122600012>.
- [23] Shadman M, Roldan-Carvajal M, Pierart FG, Haim PA, Alonso R, Silva C, et al. A Review of Offshore Renewable Energy in South America: Current Status and Future Perspectives. *Sustain* 2023;15:1–34. <https://doi.org/10.3390/su15021740>.
- [24] Belucio M, Santiago R, Fuinhas JA, Braun L, Antunes J. The Impact of Natural Gas, Oil, and Renewables Consumption on Carbon Dioxide Emissions: European Evidence. *Energies* 2022;15:1–16. <https://doi.org/10.3390/en15145263>.
- [25] Serra P, Fancello G. Towards the IMO's GHG goals: A critical overview of the perspectives and challenges of the main options for decarbonizing international shipping. *Sustain* 2020;12. <https://doi.org/10.3390/su12083220>.
- [26] Li T, Li A, Song Y. Development and utilization of renewable energy based on carbon emission reduction—evaluation of multiple medm methods. *Sustain* 2021;13. <https://doi.org/10.3390/su13179822>.

- [27] Sawle Y, Gupta SC, Bohre AK. Review of hybrid renewable energy systems with comparative analysis of off-grid hybrid system. *Renew Sustain Energy Rev* 2018;81:2217–35. <https://doi.org/10.1016/j.rser.2017.06.033>.
- [28] Wang J, Lund PD. Review of Recent Offshore Photovoltaics Development. *Energies* 2022;15. <https://doi.org/10.3390/en15207462>.
- [29] Igogo T, Awuah-offei K, Newman A, Lowder T, Engel-cox J. Integrating renewable energy into mining operations: Opportunities, challenges, and enabling approaches. *Appl Energy* 2021;300:117375. <https://doi.org/10.1016/j.apenergy.2021.117375>.
- [30] Lee J, Kim JM, Yi J, Won CY. Battery management system algorithm for energy storage systems considering battery efficiency. *Electron* 2021;10:1–19. <https://doi.org/10.3390/electronics10151859>.
- [31] Sund N. Guidelines for Documentation and Electrical Installations in Explosive Atmospheres ATEX. Bachelor Thesis 2022;1:118.
- [32] Dallaev R, Pisarenko T, Papež N, Holcman V. Overview of the Current State of Flexible Solar Panels and Photovoltaic Materials. *Materials (Basel)* 2023;16. <https://doi.org/10.3390/ma16175839>.
- [33] Socol M, Preda N. Hybrid nanocomposite thin films for photovoltaic applications: A review. *Nanomaterials* 2021;11. <https://doi.org/10.3390/nano11051117>.
- [34] Benghanem M, Haddad S, Alzahrani A, Mellit A, Almohamadi H, Khushaim M, et al. Evaluation of the Performance of Polycrystalline and Monocrystalline PV Technologies in a Hot and Arid Region: An Experimental Analysis. *Sustainability* 2023;15:14831.
- [35] Al-Ezzi AS, Ansari MNM. Photovoltaic Solar Cells: A Review. *Appl Syst Innov* 2022;5:1–17. <https://doi.org/10.3390/asi5040067>.
- [36] Zoui MA, Bentouba S, Stocholm JG, Bourouis M. 热电发电机的研究进展与应用. *Energies* 2020;13.
- [37] Zhang F, Wen Z, Liu D, Jiao J, Wan H, Zeng B. Calculation and analysis of wind turbine health monitoring indicators based on the relationships with scada data. *Appl Sci* 2020;10. <https://doi.org/10.3390/app10010410>.
- [38] Bilenko F, Meyer A, Badihi H, Lu N, Cambron P, Jiang B. Applications and Modeling Techniques of Wind Turbine Power Curve for Wind Farms—A Review. *Energies* 2023;16. <https://doi.org/10.3390/en16010180>.
- [39] R-Smith NAZ, Kasper M, Kumar P, Nilsson D, Mårlid B, Kienberger F. Advanced Electrochemical Impedance Spectroscopy of Industrial Ni-Cd Batteries. *Batteries* 2022;8:1–14. <https://doi.org/10.3390/batteries8060050>.
- [40] Brkić D, Stajić Z. Offshore oil and gas safety: Protection against explosions. *J Mar Sci Eng* 2021;9. <https://doi.org/10.3390/jmse9030331>.
- [41] Geng J, Murè S, Demichela M, Baldissone G. Atex-HOF methodology: Innovation driven by human and organizational factors (HOF) in explosive atmosphere risk assessment. *Safety* 2020;6. <https://doi.org/10.3390/safety6010005>.
- [42] Khaleel A, Engineering A. ATEX Designing Guide 2024.
- [43] Gajewski P. Turbine, Photovoltaic Panels and Battery Energy Storage 2021.
- [44] Model T, Generator T, I DC, Temp T. MODEL 1120 MODEL 1120 n.d.
- [45] Pharos O, Automatic M, Module TP. Solar Panel n.d.
- [46] Du Pont Company. Instruction Manual Instruction Manual. *Int Bus* 2003;33:1–183.
- [47] Maienza C, Avossa AM, Picozzi V, Ricciardelli F. Feasibility analysis for floating offshore wind energy. *Int J Life Cycle Assess* 2022;27:796–812. <https://doi.org/10.1007/s11367-022-02055-8>.
- [48] Kumar R, Rajoria CS, Sharma A, Suhag S. Design and simulation of standalone solar PV system using PVsyst Software: A case study. *Mater Today Proc* 2020;46:5322–8. <https://doi.org/10.1016/j.matpr.2020.08.785>.
- [49] Chauhan A, Sharma M, Baghel S. Designing and Performance Analysis of 15KWP Grid Connection Photovoltaic System Using Pvsyst Software. *Proc 2nd Int Conf Inven Res Comput Appl ICIRCA 2020* 2020:1003–8. <https://doi.org/10.1109/ICIRCA48905.2020.9183386>.
- [50] Shamarova N, Suslov K, Ilyushin P, Shushpanov I. Review of Battery Energy Storage Systems Modeling in Microgrids with Renewables Considering Battery Degradation. *Energies* 2022;15:1–18. <https://doi.org/10.3390/en15196967>.