

An Analysis of Engineering and Construction Practices in the Evolution of Religious Architecture at Living Faith's 100,000 Capacity Auditorium in Otta, Nigeria

ANTHONY, OBARIBIRIN¹, OLUDELE SUNDAY, ADEJARE², TAIWO EMMANUEL, OGUNTOLU³, ENOCH OLUWAGBEMILEKE, OYELEYE⁴, OLUWASEYI EMMANUEL, FAYEMI⁵, EDMOND OGHENEYOLEME, OVIRI⁶

^{1, 2, 3, 4, 5, 6}Department of Architecture, Caleb University Imota, Lagos, Nigeria

Abstract- *Living Faith Church, founded in 1981 by Bishop David Oyedepo, has experienced exponential growth, establishing itself as one of the leading religious institutions in Nigeria. In 1999, the church completed its first megastructure—a 50,000-capacity auditorium—constructed within a remarkable 12-month timeframe using predominantly local expertise. This project set a precedent in religious architecture across Africa. In 2021, the church commenced an even more ambitious project: a 100,000-capacity worship centre known as The Ark. Scheduled for completion and dedication on November 29, 2025, The Ark represents a significant advancement in scale, design, and construction innovation. This study investigates the engineering and construction practices employed in the realization of this mega-auditorium, examining how modern technologies, sustainable building strategies, and project management frameworks are shaping the evolution of religious architecture in Nigeria. Through interviews, field data, and comparative literature analysis, the research aims to identify key innovations, contextual challenges, and future implications for large-scale religious infrastructure.*

Indexed Terms- *Megachurch architecture, Large-span structure, BIM, Modular construction*

I. INTRODUCTION

Background

Religious architecture has played a significant role in shaping cultural and social landscapes across civilizations. In Nigeria, the construction of large-scale worship centers has become a prominent trend, driven by the need to accommodate growing congregations. The Living Faith Church's 100,000-

capacity auditorium in Otta, Nigeria, represents a major milestone in religious infrastructure, integrating advanced engineering and construction practices to achieve a massive yet structurally sound and aesthetically appealing worship space. As religious architecture continues to evolve, understanding the engineering principles and construction methodologies behind these monumental projects is crucial for future developments.

Research Aim

The aim of this study is to examine the evolution of religious architecture through an analysis of engineering and construction practices at Living Faith's 100,000-capacity Auditorium in Otta, Nigeria. This research seeks to explore the innovative methodologies employed in the construction process and how they contribute to the broader trends in modern religious architecture.

Research Objectives

To achieve the stated aim, this study is guided by the following objectives:

- Evaluate construction practices of the 100,000-seater auditorium.
- Analyze how these practices align with broader trends in modern religious architecture.

Scope of the Study

The study primarily focuses on the Living Faith Church's 100,000-capacity auditorium in Otta, Nigeria. It examines the engineering and construction aspects that have facilitated the development of this megastructure, including material selection, structural integrity, sustainability measures, and occupant comfort. While the research centers on this specific project, it also draws comparisons with other large-

scale religious structures to highlight broader architectural and engineering trends.

II. LITERATURE REVIEW

Historical Background of Large Church Architecture

Historically, large church buildings have served not only as places of worship but also as architectural expressions of faith, authority, and communal identity. As early as the 4th century, Christianity's legalization under Emperor Constantine led to the construction of monumental churches such as the Old St. Peter's Basilica in Rome (Krautheimer, 1986). These structures were designed to accommodate growing congregations and assert the newly legitimized religion's prominence within the Roman Empire.

Throughout the medieval period, the rise of Gothic cathedrals—such as Notre Dame in Paris and Cologne Cathedral in Germany—demonstrated advances in engineering and ecclesiastical design, utilizing innovations like pointed arches, flying buttresses, and ribbed vaults (Bony, 1983). These buildings were symbolic centers, designed not only for liturgical functions but also for social, political, and educational roles within urban society (Crossley, 2000).

The post-Reformation era saw a diversification in church architecture across Christian denominations. Protestantism's emphasis on preaching led to the creation of auditoria that prioritized acoustics and visibility over traditional sacred spatial hierarchies (White, 1964). In America, the 19th and early 20th centuries witnessed the emergence of large congregational spaces, such as the Moody Church in Chicago (seating 3,740) and the Brooklyn Tabernacle.

Rise of Large Pentecostal Churches

The modern Pentecostal movement, which began in the early 20th century, introduced a new wave of church growth and architecture. Originating from revivalist roots such as the Azusa Street Revival in 1906, Pentecostalism placed significant emphasis on large-scale gatherings, emotional expression, and charismatic worship, creating demand for expansive and acoustically optimized worship environments (Anderson, 2004).

In the Global South, especially Nigeria, the late 20th century saw the explosive growth of Pentecostal and charismatic churches. These churches, often referred to as "megachurches," are defined by their large congregational size—typically over 2,000 members—and multifunctional buildings that blend religious, commercial, and social uses (Ukah, 2008).

Nigeria is particularly noted for pioneering some of the largest church auditoriums in the world. The Faith Tabernacle in Otta (completed in 1999 with a capacity of 50,400), the Glory Dome in Abuja (100,000 capacity), and the Redeemed Christian Church of God's auditorium in Lagos (which reportedly hosts millions during annual conventions) exemplify this trend. These structures reflect a localized adaptation of Pentecostalism's global vision, often constructed under tight timelines and using hybrid models of indigenous construction methods and modern engineering practices (Obadare, 2007; Adeboye, 2007).

Moreover, scholars have highlighted the sociopolitical and economic significance of such buildings. Ukah (2016) argues that Nigerian megachurches act as "religious corporations," whose architecture reflects both spiritual aspirations and corporate branding. Their buildings are not only spiritual centers but also tools of influence, tourism, and urban development. The construction of Living Faith Church's 100,000-capacity auditorium, The Ark, in Otta, Nigeria, represents a significant development in the realm of large-scale religious structures. To contextualize this project, it's essential to examine similar large-scale construction endeavors, understand the construction challenges prevalent in Nigeria, and explore best practices in project management, sustainability, and community engagement.

Similar Construction Projects

The construction of Living Faith Church's 100,000-capacity auditorium in Otta, Nigeria, aligns with a series of significant large-scale religious edifices both within the country and internationally. Examining these similar projects provides valuable insights into the architectural, engineering, and logistical considerations inherent in such monumental undertakings.

Faith Tabernacle, Otta, Nigeria



Figure 1 Interior View of the Faith Tabernacle



Figure 2 Exterior view of the Faith Tabernacle



Figure 3: Interior view of the glory dome



Figure 4: Exterior view of the glory dome

Located within the expansive Canaanland complex in Otta, Ogun State, Faith Tabernacle serves as the headquarters of the Living Faith Church Worldwide. Completed in 1999, this 50,400-seat auditorium was constructed in just 12 months, showcasing remarkable efficiency in large-scale construction (Adeboye, 2007). The structure's design features a pillarless, amphitheater-style layout, enhancing the congregational experience by providing unobstructed views (Obadare, 2007). At the time of its completion, Faith Tabernacle was recognized by the Guinness Book of World Records as the largest church auditorium globally (Guinness World Records, 1999).

The Glory Dome, Abuja, Nigeria

Inaugurated on November 24, 2018, the Glory Dome serves as the headquarters of Dunamis International Gospel Centre in Abuja. This 100,000-capacity auditorium was constructed over four years, with its foundation laid on September 14, 2014 (Ukah, 2020). The building's roof structure was engineered by Geometrica Incorporated, a globally renowned company known for large-span domes and space frames, and the same engineering team engaged for the roof structure of The Ark—Living Faith's ongoing auditorium project. This underscores the growing collaboration between local and international expertise in delivering complex architectural and engineering projects in Nigeria (Geometrica, 2018; Afolabi & Emeghe, 2014).

City of Wonders, Abuja, Nigeria



Figure 5: Exterior view of the city of wonders under construction



Figure 5: Interior view of the city of wonders under construction

Completed in December 2015, the *City of Wonders* is an 80,000-capacity auditorium belonging to Champions Royal Assembly, founded by Joshua Iginla. The construction of this four-story edifice, featuring 12 escalators and five detached compartments, was accomplished in just 13 months—an impressive feat by any standard. This rapid construction timeline underscores the advancements in building technology and project management within Nigeria's construction sector, particularly in the delivery of large-scale religious infrastructure (Oladapo & Ogunsemi, 2007; Eyisi & Osasona, 2019; The Preachers Portal, 2021).

International Comparisons

The construction of Living Faith Church's 100,000-capacity auditorium in Otta, Nigeria, also aligns with global trends in developing large-scale venues designed to accommodate substantial congregations and audiences. Notable examples include the Yoido

Full Gospel Church in Seoul, South Korea, and the AT&T Stadium in Arlington, Texas, USA.

Yoido Full Gospel Church, Seoul, South Korea



Founded in 1958 by Pastor David Yonggi Cho and Choi Ja-shil, the Yoido Full Gospel Church has experienced remarkable growth, evolving from a small congregation to one of the world's largest Christian assemblies. By 2020, the church's membership in Seoul stood at approximately 480,000 individuals (Miller & Yamamori, 2007; Pew Research Center, 2011). The main sanctuary, located on Yeouido Island, has a seating capacity of 12,000 and hosts multiple services each Sunday to accommodate the vast number of attendees (Kim, 2002). The church's expansion over the decades reflects strategic planning, mass media utilization, and effective community engagement, positioning it as a significant religious landmark in South Korea and a global model of Pentecostal growth and megachurch management (Choi, 2010; Anderson, 2004).

AT&T Stadium, Arlington, Texas, USA



AT&T Stadium, inaugurated in 2009, serves as the home of the Dallas Cowboys in the National Football League (NFL). The stadium boasts a standard seating capacity of 80,000, which can be expanded to accommodate up to 100,000 spectators for major events (Smith, 2010). Renowned for its architectural innovation, the stadium features a retractable roof and one of the world's largest high-definition video displays, enhancing the spectator experience (Populous, 2009). Beyond hosting



NFL games, AT&T Stadium is a versatile venue for various events, including concerts, basketball games, and boxing matches (Fried, 2015). Its design and functionality have set new standards for modern stadiums, making it a benchmark in large-scale venue construction and a case study in multipurpose sports architecture (Chen & Spaeth, 2013).

Construction Challenges in Nigeria

The Nigerian construction industry faces several critical challenges that can significantly affect the timely and successful execution of large-scale projects (Aibinu & Jagboro, 2002; Ibrahim et al., 2006; Oyewobi et al., 2011; Ofori, 2012):

1. **Regulatory Bottlenecks**
Complex approval processes and the inconsistent enforcement of building codes often lead to project delays and increased costs. Streamlining these regulatory frameworks and ensuring their consistent application are essential to enhancing project delivery (Kolo & Ibrahim, 2010; Oladinrin et al., 2013; Wahab & Lawal, 2011; Aigbavboa & Thwala, 2014).
2. **Financial Constraints**
Limited access to construction financing, coupled with high interest rates and inflationary pressures, creates significant obstacles. Establishing infrastructure development funds, providing tax incentives, and encouraging private-sector investment are viable strategies to ease financial burdens (Oladapo, 2007; Adebayo & Makanjuola, 2020).
3. **Skilled Labor Shortage**
Nigeria continues to experience a shortage of skilled labor due to brain drain and underinvestment in technical and vocational education. Bridging this gap requires investment in workforce training programs and strengthening of local capacity (Aibinu & Jagboro, 2002).
4. **Infrastructure Deficit**
Poor transportation networks and an unreliable electricity supply increase construction costs and delay delivery. Addressing these issues requires sustained government commitment and increased adoption of public-private partnership (PPP) models (Oladapo, 2007).
5. **Environmental and Weather Challenges**
Nigeria's tropical climate presents seasonal risks such as heavy rainfall and flooding, which disrupt schedules and compromise the structural integrity of ongoing works. Incorporating resilient design strategies and optimizing construction calendars around weather patterns can mitigate these impacts (Ibrahim et al., 2006).

III. RESEARCH BODY

The construction of religious architecture has evolved significantly in Nigeria, with megachurches leading the way in innovative engineering and construction techniques. The Living Faith Church's 100,000-capacity auditorium in Otta, Nigeria, is a prime

example of this evolution. This chapter examines the key engineering innovations, construction techniques, sustainability measures, and project management strategies that contributed to the successful delivery of this large-scale religious structure.

Research Methodology

This study adopts a qualitative research methodology to explore the engineering innovations, construction techniques, sustainability measures, and project management strategies used in the construction of the 100,000-capacity Living Faith Church auditorium in Otta, Nigeria. The qualitative approach is suitable as it allows for an in-depth understanding of the construction processes and challenges associated with large-scale religious architecture in Nigeria.

Data Collection Methods

Data for this study were collected through interviews, site visits, field notes and field observations to gain insights into the planning, execution, and challenges faced during the construction process.

Questionnaire Design and Administration

A structured questionnaire was developed to gather data from engineers, architects, project managers, and construction workers involved in the project. The questionnaire focused on the following key areas:

- Engineering innovations and structural design strategies
- Construction techniques used in large-scale religious architecture
- Material selection and sustainability considerations
- Challenges faced during the construction process
- The role of digital tools such as Building Information Modeling (BIM)

The questionnaire consisted of both open-ended and closed-ended questions to obtain detailed insights and measurable data. It was distributed to a sample of 30 professionals involved in the construction process.

Interviews

To complement the questionnaire data, semi-structured interviews were conducted with key stakeholders, including engineers, project managers,

and architects. The interviews provided deeper insights into challenges encountered, solutions implemented, and lessons learned.

Method of Analysis

Given the nature of the collected data, qualitative content analysis was used. Responses from the questionnaires and interviews were categorized into key themes, such as structural innovations, sustainability, and project management strategies. Thematic analysis was employed to identify patterns and emerging trends in religious architecture development in Nigeria.

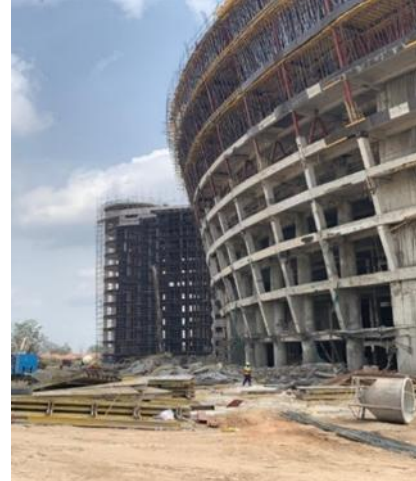
Responses from these interviews were transcribed and analyzed using qualitative thematic analysis to extract significant insights relevant to the study.

Site Visits

In addition to questionnaire and interview data, site visits were conducted to document the construction processes, material selection, and implementation of engineering innovations. Observations from the site visits included:

- Structural Design Implementation: Documentation of the transition from a 50,000 to a 100,000-capacity structure.
- Material Adaptation: Visual confirmation of material changes such as the use of marine board for formwork.
- Sustainability Features: Analysis of natural ventilation openings and atriums.
- Construction Challenges: Real-time assessment of misalignment issues and rework processes.

Photographs and field notes from the site visits were used to validate and complement the data collected through questionnaires and interviews.



The Living Faith Church's 100,000-capacity auditorium represents a milestone in Nigeria's religious architecture landscape. Through engineering innovation, sustainable construction techniques, and advanced project management, the project has set a benchmark for future developments. By embracing modern construction methodologies, religious infrastructure in Nigeria will continue to evolve, accommodating growing congregations while maintaining structural and environmental integrity.

IV. ANALYSIS AND DISCUSSION

This chapter presents an in-depth analysis of the Living Faith Church's 100,000-capacity auditorium construction project, focusing on project management, socio-economic impact, sustainability, and innovation.



Project Management

Scope

The primary objective of this project was to construct a 100,000-capacity auditorium that would serve as a place of worship and religious gatherings. While the project has largely adhered to its original objectives in terms of scale and function, challenges such as rework due to rushed construction and misalignment of survey plans have posed difficulties in maintaining scope integrity.

Budget

Managing costs in such a large-scale project is critical. Although financial details are not publicly available, indications suggest that unforeseen reworks and timeline constraints have led to budget overruns. The shift from metal frames to marine boards for concrete casting was one measure to optimize costs while maintaining structural integrity.

Timeline

Originally, a project of this magnitude would require a minimum of seven years for completion. However, due to a compressed timeframe, significant delays and reworks have occurred. The need for precision in surveying and rectification of errors has added to the project timeline. Despite these challenges, the team has leveraged technology to maintain progress.

Risk Management

The project has faced multiple risks, including material shortages, workforce coordination, and environmental uncertainties. To mitigate these, high-tech surveying equipment has been employed for precise leveling, and alternative materials have been sourced where necessary. The design team has also adapted by modifying initial plans to suit real-time constraints, ensuring that setbacks do not compromise the final outcome.

Socio-Economic Impact

Employment Generation

The construction of the auditorium has provided significant employment opportunities for both skilled

and unskilled workers. Skilled professionals such as engineers, architects, and project managers have been engaged, while a large number of unskilled laborers have also benefited from temporary employment on-site.

Impact on the Local Economy

The project has had a positive ripple effect on the local economy, benefiting nearby businesses such as material suppliers, food vendors, and transportation services. Construction activities have increased demand for raw materials, creating a boost for local industries.

Community Perception

The reception of the project among the local community has been mixed. While many residents appreciate the economic benefits and the prestige associated with such a large religious structure, concerns over noise, increased traffic, and possible displacement issues have emerged. Addressing these concerns through proper stakeholder engagement has been an ongoing process.

Sustainability

Environmental Practices

Sustainability has been incorporated into the project through the use of energy-efficient materials. The concrete utilized in construction has thermal mass properties, which help store and gradually release energy, reducing cooling demands. Waste management strategies have been implemented to minimize environmental impact, though further studies could assess overall carbon footprint reduction efforts.

Compliance with Regulations

The project adheres to local environmental laws and regulations. Measures such as natural ventilation systems and integration of atriums for natural lighting align with energy efficiency standards. Ensuring full compliance with regulatory bodies remains a key focus as the project progresses.

Innovation

Technological Integration

The project has leveraged modern construction technologies, including Building Information Modeling (BIM) for digital 3D modeling and drones for site monitoring. These tools have enhanced accuracy in planning, minimizing errors and improving efficiency in execution.

Engineering and Design Innovations

Key engineering innovations include the adaptation of alternative formwork materials, the strategic placement of openings for cross-ventilation, and the implementation of high-tech surveying equipment for precise leveling. These solutions have contributed to the overall efficiency and success of the construction process.

Conclusion

This chapter has examined critical aspects of the Living Faith Church's 100,000-capacity auditorium project. While the project has faced challenges in budget, timeline, and risk management, innovative approaches and strategic adjustments have enabled its continued progress. The socio-economic benefits, sustainability measures, and engineering advancements underscore the significance of this project in the broader landscape of religious architecture in Nigeria. Future projects can draw valuable lessons from this experience to enhance efficiency, sustainability, and stakeholder engagement.

CONCLUSION AND RECOMMENDATIONS

Summary of Findings

This research has explored the engineering and construction practices involved in the development of Living Faith Church's 100,000-capacity auditorium in Otta, Nigeria. Through an in-depth analysis, key findings have emerged across various aspects of the project:

- **Engineering Innovations:** The project incorporated advanced surveying techniques, alternative formwork materials, and digital modeling to optimize precision and efficiency.

- **Construction Techniques:** Modular construction and reinforced concrete strategies were critical in achieving the massive auditorium design.
- **Project Management:** While the project has remained aligned with its original objectives, challenges such as rework and timeline constraints have led to some inefficiencies.
- **Socio-Economic Impact:** The project has significantly contributed to job creation and the local economy, though some community concerns, such as noise and increased traffic, have been raised.
- **Sustainability:** Energy-efficient materials and natural ventilation systems were incorporated to reduce environmental impact, ensuring compliance with regulatory standards.
- **Innovation:** The use of Building Information Modeling (BIM), drones, and digital 3D modeling enhanced the accuracy and execution of the project.

Overall, the project has demonstrated how engineering and construction innovations can be leveraged to create large-scale religious architecture while balancing sustainability and community impact.

Recommendations for Future Projects

Based on the findings from this research, several key recommendations can be made to improve future large-scale religious infrastructure projects:

1. **Enhanced Planning and Time Management:** Future projects should adopt realistic timelines to prevent rushed work that leads to errors and costly rework. A phased construction approach may help mitigate scheduling risks.
2. **Improved Stakeholder Engagement:** Engaging with local communities from the onset will help address concerns related to displacement, noise pollution, and traffic congestion. Transparent communication and community benefits programs should be incorporated.
3. **Greater Emphasis on Sustainability:** Future projects should integrate renewable energy solutions, such as solar panels and rainwater

harvesting, to further reduce environmental impact.

4. Utilization of Advanced Construction Technologies: The use of BIM, drones, and AI-driven project management tools should be expanded to improve efficiency and reduce errors in construction.
5. Risk Mitigation Strategies: A structured risk management framework should be implemented to anticipate and address challenges such as material shortages and labor constraints.
6. Cost Control Mechanisms: Budget overruns can be minimized by conducting thorough feasibility studies, sourcing cost-effective materials, and ensuring strict financial oversight throughout the project lifecycle.

CONCLUSION

The construction of Living Faith Church's 100,000-capacity auditorium represents a significant milestone in religious architecture in Nigeria. Despite challenges, the project has showcased the importance of engineering innovation, efficient project management, and sustainable construction practices. Future large-scale religious infrastructure projects can learn from these experiences, ensuring improved efficiency, sustainability, and positive socio-economic impact.

By leveraging modern technologies, strategic planning, and community involvement, religious architecture in Nigeria can continue to evolve, setting new benchmarks in engineering excellence and construction efficiency.

REFERENCES

- [1] Adebayo, S. O., & Makanjuola, O. O. (2020). Financing Challenges of Construction Projects in Nigeria. *International Journal of Construction Management*, 20(2), 155–163.
- [2] Aibinu, A. A., & Jagboro, G. O. (2002). The Effects of Construction Delays on Project Delivery in Nigerian Construction Industry. *International Journal of Project Management*, 20(8), 593–599.
- [3] Aigbavboa, C., & Thwala, W. (2014). Challenges Facing the South African Construction Industry: A Critical Review. *Proceedings of the 4th Construction Management Conference*, University of Johannesburg.
- [4] Afolabi, A. O., & Emeghe, I. (2014). Professionals' Preference for Project Delivery Methods in Nigeria. *Civil and Environmental Research*, 6(3), 48–55.
- [5] Anderson, A. (2004). *An Introduction to Pentecostalism: Global Charismatic Christianity*. Cambridge University Press.
- [6] Bony, J. (1983). *French Gothic Architecture of the Twelfth and Thirteenth Centuries*. University of California Press.
- [7] Chen, S., & Spaeth, A. (2013). Sports Architecture and Stadium Design in the 21st Century: A Review of Structural and Environmental Considerations. *Journal of Sports Management and Commercialization*, 5(2), 113–128.
- [8] Choi, J. (2010). The Influence of Yoido Full Gospel Church on Korean Society. *Journal of Korean Religious Studies*, 45(3), 157–174.
- [9] Crossley, P. (2000). Gothic Architecture in the Reign of Saint Louis: French Influence on Central European Building. *Art History*.
- [10] Eyisi, J. O., & Osasona, C. O. (2019). Mega Church Design in Nigeria: Issues of Form and Function. *Journal of Environmental Design*, 14(2), 93–105.
- [11] Fried, G. (2015). *Managing Sport Facilities* (3rd ed.). Human Kinetics.
- [12] Geometrica. (2018). *Dunamis Glory Dome Project Overview*. Retrieved from <https://www.geometrica.com>
- [13] Guinness World Records. (1999). *Guinness Book of World Records*. Guinness World Records Ltd.
- [14] Ibrahim, A. D., Mbamali, I., & Muhammed, A. A. (2006). A Study of Risk Management in the Nigerian Construction Industry. *Journal of Engineering and Applied Sciences*, 2(5), 14–21.
- [15] Kim, A. E. (2002). Characteristics of Religious Life in South Korea: A Sociological Survey.

- Review of Religious Research, 43(4), 291–310.
<https://doi.org/10.2307/3512265>
- [16] Kolo, B. A., & Ibrahim, A. D. (2010). Building Regulations and Regulatory Agencies: The Nigerian Situation. *Journal of Environmental Design and Management*, 2(1), 25–30.
- [17] Krautheimer, R. (1986). *Early Christian and Byzantine Architecture*. Yale University Press.
- [18] Miller, D. E., & Yamamori, T. (2007). *Global Pentecostalism: The New Face of Christian Social Engagement*. University of California Press.
- [19] Obadare, E. (2007). *Pentecostal Republic: Religion and the Struggle for State Power in Nigeria*. Zed Books.
- [20] Ofori, G. (2012). Developing the Construction Industry in Sub-Saharan Africa: The Role of Governments. *Construction Management and Economics*, 30(9), 713–721.
- [21] Oladapo, A. A. (2007). A Quantitative Assessment of the Cost and Time Impact of Variation Orders on Construction Projects. *Journal of Engineering, Design and Technology*, 5(1), 35–48.
- [22] Oladapo, A. A., & Ogunsemi, D. R. (2007). Evaluation of the Performance of Project Managers in the Nigerian Construction Industry. *Construction Management and Economics*, 25(5), 523–530.
<https://doi.org/10.1080/01446190601164061>
- [23] Oladinrin, T. O., Ogunsemi, D. R., & Aje, I. O. (2013). Competency of Quantity Surveyors in Value Management Practice in Nigeria. *International Journal of Management and Sustainability*, 2(12), 218–226.
- [24] Oyewobi, L. O., Ganiyu, B. A., Oke, A. E., Ola-Awo, W. A., & Shittu, A. A. (2011). Determinants of Unethical Performance in the Nigerian Construction Industry. *Journal of Sustainable Development*, 4(4), 175–182.
- [25] Pew Research Center. (2011). *Global Christianity: A Report on the Size and Distribution of the World's Christian Population*. Retrieved from <https://www.pewforum.org/2011/12/19/global-christianity-overview/>
- [26] Populous. (2009). *AT&T Stadium: Project Overview*. Retrieved from <https://populous.com/project/att-stadium>
- [27] Smith, R. (2010). The NFL's Cathedral: Inside the AT&T Stadium. *Sports Illustrated*, 112(3), 34–41.
- [28] The Preachers Portal. (2021). *Top 20 Largest Pentecostal Church Auditoriums in Nigeria*. Retrieved from <https://thepreachersportal.org/top-20-largest-pentecostal-church-auditoriums-in-nigeria-2021>
- [29] Ukah, A. (2008). *A New Paradigm of Pentecostal Power: A Study of the Redeemed Christian Church of God in Nigeria*. Africa World Press.
- [30] Ukah, A. (2016). Church as Enterprise: Pentecostal Architecture and Urbanism in Nigeria. *African Studies Review*, 59(3), 31–52.
- [31] Ukah, A. (2020). Globalization and the Mega-Church Phenomenon in Nigeria: Emerging Trends and Implications. *Journal of African Religious Studies*, 12(2), 45–63.
- [32] Wahab, A. B., & Lawal, A. F. (2011). An Evaluation of Waste Control Measures in the Construction Industry in Nigeria. *African Journal of Environmental Science and Technology*, 5(3), 246–254.
- [33] White, J. F. (1964). *Protestant Worship: Traditions in Transition*. Westminster Press.