



COMPANY PROFILE 2021-2022

**VALUE ENGINEERING
STRUCTURAL SOLUTIONS**



INTRODUCTION

Aleron Limited is a structural engineering design consultancy firm that services multiple sectors across the nation and throughout the Eastern Caribbean. The company, which is based in South Trinidad, was founded in 2011 by its Principal Mr. Brendon Inniss. Brendon is a registered professional engineer with over 19 years' experience as a design engineer in the industry. Aleron prides itself in combining technology with innovative construction methods to provide value engineering solutions to contractors responsible for building small, medium, large and even mega projects.

We at Aleron firmly believe in ensuring that our technical team maintains their continuing professional development so as to ensure they remain ahead of the curve at all times. Our design templates and quality assurance measures ensure that we deliver cost effective solutions in the fastest possible timeframe. Our company sets itself apart from our competitors by maintaining contact with contractors throughout the lifespan of projects outside of normal business hours because we understand the importance of fast turnaround times when responding to queries from the jobsite.

Our team possesses strong problem-solving abilities that enable us to provide cost effective solutions to construction errors if/when they occur on site – a trait cultivated over several years of working on variety of large intriguing projects with experienced contractors. Depending on the needs or requirements of a particular project, our company can partner with other fellow design professionals in the industry to get the job done. These outsourced services include: geotechnics, land and quantity surveying, MEP services, architecture and project management.

Aleron Limited is the premier engineering company of choice because we provide our clients with deliverables that are best suited to their respective budgets.



DIRECTOR'S PROFILE

Brendon Inniss is the principal and chief executive at Aleron Limited. Mr. Inniss is a registered professional structural engineer (BOETT) with 19 years postgraduate experience. Brendon has been the engineer on record for a broad spectrum of projects ranging from TT\$100K - TT\$300M in Trinidad and Tobago and the Eastern Caribbean.

Educated at The University of The West Indies St. Augustine, Brendon earned his BSc and MSc in 2002 and 2010 respectively and maintains active memberships in APETT, PTi and ASCE.

Mr. Inniss has extensive experience in the energy sector (oil, gas, chemical and power). He has had the privilege of designing equipment foundations, tanks, spill containment sumps, communication truss towers and multi-tiered pipe racks on projects with large commodity distributors such as: Atlantic LNG, TGU, NGC, Petrotrin and Trinmar.

At the helm of Aleron Limited, Brendon utilizes his Six Sigma Yellow Belt training to continually improve the organisation. He ensures relevance and competent technical abilities in accordance with today's rapid technological advancements within his firm. Brendon and his diverse team actively maintain technical capability through continuing professional development and education via a combination of his internal training program (Aleron University) and external training seminars including distance learning webinars.

Brendon Inniss
Managing Director



SERVICES WE OFFER

Aleron is the premier engineering company of choice as we help our clients save time, money and resources. Aleron collaborates with a dynamic team of professionals and provides the necessary documentation to facilitate a wide variety of services. Our capabilities include but are not limited to:

► Structural Analysis & Design Engineering

Computer based structural modeling of building and non-building structures. Development of fully detailed construction drawings, technical specifications, scope of works and as-built drawings.

► Value Engineering

Using new construction technology, materials and methods to re-engineer existing designs and replace them with cost effective and superior alternate design solutions.

► Forensic & Diagnostic Engineering

Conducting visual inspection and non-destructive examinations of existing structures for the purposes of: supporting increased loading; determining repair methodologies; fulfilling requirements of financial lending agencies and dispute resolutions.

► Structural Retrofitting & Rehabilitations

Preparation of detailed construction drawings and method statements via performance based design techniques for the repair of damaged existing structures.

SECTORS



Housing



Commercial



Education



Hospitality & Tourism



National Security



Manufacturing



Energy

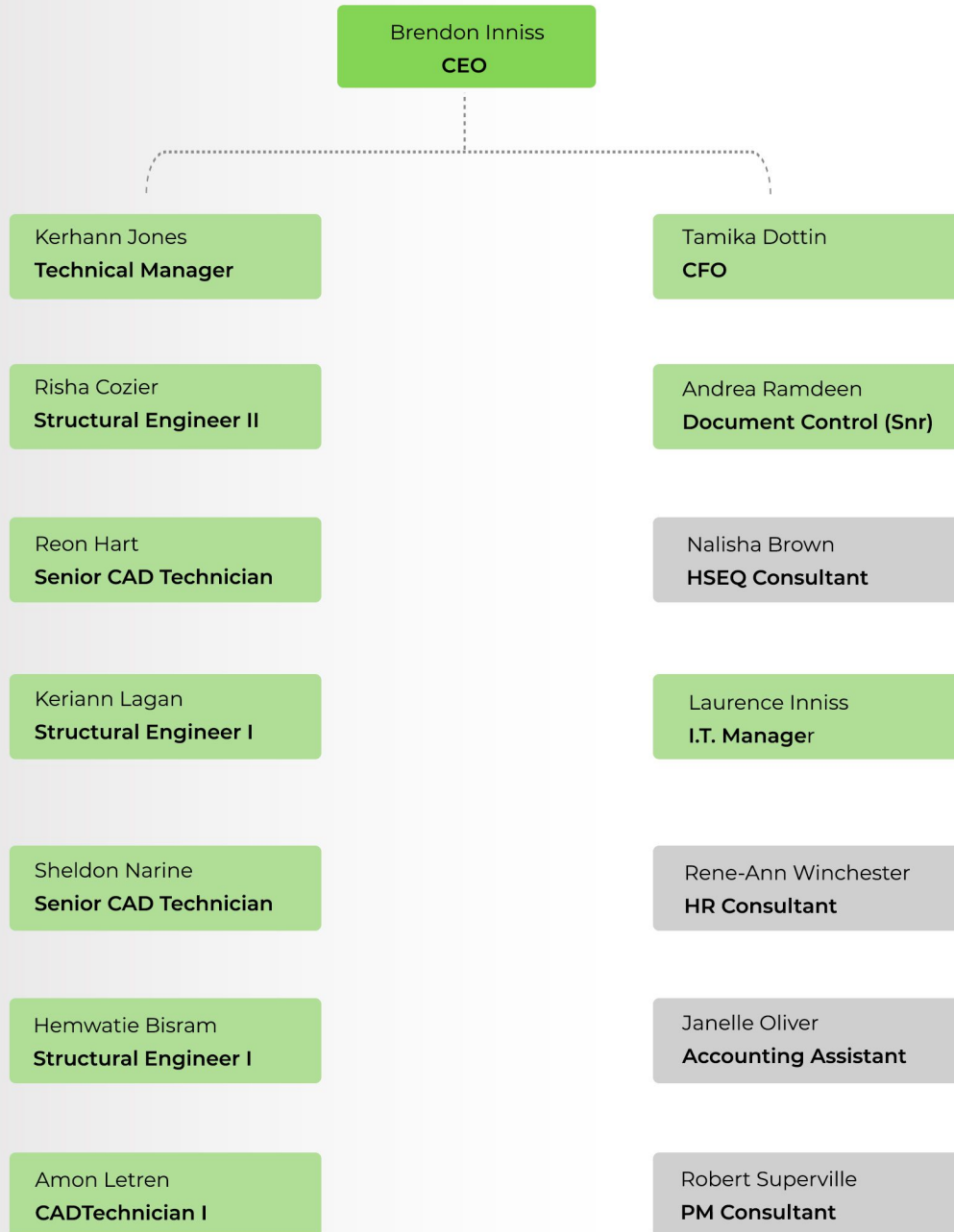


Infrastructure



ORGANISATIONAL CHART

OUTSOURCED, NON SALARIED PERSONNEL



THE TEAM

KERHANN JONES

Technical Manager/Automation



Kerhann Jones is a registered professional engineer with BOETT, practising in the industry for 17 years in the private and commercial sector. He has been the structural design engineer on projects ranging from private residences to large financial institutions in Trinidad and Tobago. He obtained his BSc degree in Civil Engineering in 2002 from the University of the West Indies (UWI) St. Augustine and is a member of APETT and ACI. Kerhann has experience in structural design and analysis and structural assessment and seismic retrofitting of existing buildings including residential structures, educational and sporting facilities, hotels, warehouses and multi-storey office buildings. Key projects include the Trinidad Hilton Hotel Bridge Kitchen and Pool Bar, restoration and seismic retrofitting of Cabildo Chambers, Bridge Link to the Red House and the Victor E. Bruce Financial Complex, Tobago. Kerhann is responsible for departmental supervision and internal design tool and technical automation at Aleron.

RISHA COZIER

Structural Engineer II



Ms. Cozier graduated from the University of Trinidad and Tobago in 2015 with her BAsC. in Civil Engineering Systems with Structural Engineering and is currently pursuing a MSc in Civil Engineering at the University of the West Indies. She has 5 years' solid work experience in the preparation of structural designs for a wide array of building and non-building structures in Trinidad and Tobago and the Eastern Caribbean. These include: residential buildings, schools, warehouses, equipment foundations, hotel resorts, commercial plazas and multi-storey apartment buildings. Risha also has acquired extensive technical knowledge and experience in the design of reinforced concrete structures, namely: shear walls, special moment frame buildings, buried liquid retaining structures, anchored retaining walls and post-tensioned slab on grade foundations. Key projects include: Kempinski Resorts Dominica, Shirvan Road and Carenage Police Stations, and the Ministry of Health Main Administration Building, Port of Spain.

SHELDON NARINE

Senior CAD Technician



With over twenty-three (23) years' in the construction industry, Sheldon's range of experience includes: the provision of civil, structural and architectural detailed construction drawings for the private and commercial sectors as well as two (2) years' in the energy sector producing detailed structural drawings for fixed offshore platforms. He has provided detailed construction drawings for a broad spectrum of projects in both structural steel and reinforced concrete. Some of these projects include building structures such as: multi-storey commercial buildings, warehouses, schools, hospitals, residential buildings and non-building structures like: cell towers: offshore platform modifications, jetties and marinas. He has also prepared civil works infrastructure drawings for land developments, road layouts and recreational facilities. Sheldon has extensive knowledge of various software packages such as AutoCAD for generating detailed 2D drawings, CADS RC for preparing bar bending schedules, CADWorx and REVIT for 3D modelling.



THE TEAM

REON HART
Senior CAD Technician



With over twenty (20) years in the industry, Reon's range of experience includes: the provision of civil, structural and architectural detailed construction drawings for the private and commercial sectors as well as four (4) years' in the energy sector producing detailed structural drawings for onshore refineries. He has provided detailed construction drawings for a broad spectrum of projects in both structural steel, reinforced and post tensioned concrete both locally and regionally. Some of these projects include building structures such as: multi-storey commercial buildings, warehouses, schools, hospitals, hotel resorts, residential buildings, post tensioned foundations and civil works infrastructure projects. Reon has extensive knowledge of various software packages such as AutoCAD, Microstation, FrameWorks Plus and REVIT for 3D modeling.

ANDREA V. RAMDEEN
Senior Document Control Administrator



With over fifteen (15) working years' experience in both private and energy sector organizations, Andrea possesses a wide range of experience in executive, corporate, legal, general administrative, human resources and customer service functions. She obtained her BA in Business Management from the University of Sunderland and is currently pursuing a Master of Business Administration with a specialism in Strategy at Heriot Watt University. Driven by her keen eye for detail, Andrea takes pride in delivering high quality document control to support project delivery. As a Senior Document Control Administrator, her goals include to continuously maintain and improve the corporate database and document control system. Andrea also wears multiple hats in that she is heavily involved with business development, human resources, accounting and general administration. She is a confident team player with good business acumen and has the ability to prioritize and balance complex and challenging workloads.

HEMWATIE BISRAM
Structural Engineer I



Ms. Bisram is a recent graduate with a Bachelor's degree in civil engineering from the University of the West Indies, St Augustine.

Ms. Bisram has two years' experience in the construction industry and entry level experience in structural design of building and non-building structures ranging from predominantly private residential buildings to mechanical equipment support structures and associated foundations for the energy sector.



THE TEAM

AMON M. LETREN
CAD Technician I



Amon has over five (5) years draughting experience having worked for both architectural and structural consultancy outfits.

He is trained and very competent with both AutoCAD and REVIT 3D Modeling software application packages. His prior experience in the construction sector with masonry, gypsum and scaffolding works, has sharpened his skills as a structural detailer, having prepared high quality drawings for such projects as: multi-storey commercial and residential buildings, warehouses and schools.

KERIANN A. LAGAN
Structural Engineer I



Ms. Lagan is a recent graduate civil engineer from the University of Trinidad and Tobago and has 5 years' experience in the field of civil engineering with 2 years' experience in the structural design of building and non-building structures.

These include multi-storey commercial buildings, community centers, residential buildings, hotel resorts and equipment foundations. Keriann has an unrelenting pursuit to continuously manage stakeholder expectations which fuels her growth at Aleron. In line with her professional commitment, she is currently a student member of the Institution of Civil Engineers as well as the Institution of Structural Engineers (UK).



PROJECTS | HOSPITALITY & TOURISM



KEMPINSKI HOTEL RESORT



Cabritts Bay, Dominica



\$164,000,000

This project, which was managed by Range Developments, consisted of eighteen (18) buildings, varying in size and shape, scattered across the proposed job site. These included apartment buildings, guest room buildings, a beach club, a kids club, a presidential suite, a main building, some large outdoor pools and some other smaller structures. All of the buildings on site were primarily irregularly shaped and were designed to be constructed in reinforced concrete using the FORSA formwork system.



PROJECTS | HOSPITALITY & TOURISM



ROYALTON ST. LUCIA RESORT & SPA



Smugglers Bay, St. Lucia



\$260,000,000

This project, which was managed by Blue Diamond Resorts out of Mexico, consisted of ten (10) buildings, distributed in roughly a semi-circular arrangement across the proposed job site with large swimming pools, landscaping and other ancillary facilities enclosed within. Our contract included the design and construction of nine (9) of the buildings which included eight (8) accommodation buildings and a main building.



PROJECTS | NATIONAL SECURITY



SHIRVAN ROAD POLICE STATION



Shirvan Road, Tobago



\$59,800,000

This project, which was managed by UDECOTT, was originally designed as a structural steel framed building with a regular grid. To generate the required savings on this project for the client, we proposed a value engineering option that essentially used the interior and exterior walls as load bearing reinforced concrete walls. The original architecture had a lot of walls within the building as part of the typical design for police stations or secure facilities.



PROJECTS | NATIONAL SECURITY



CARENAGE POLICE STATION



Western Main Road
Carenage



\$53,000,000

This project, which was managed by UDECOTT, was originally designed as a reinforced concrete framed L-shaped building with a regular grid. Similar to what was done on Shirvan Road Police Station, the value engineering option that was proposed to the client involved the use of load bearing reinforced concrete walls and the deletion of 99% of the columns and beams from the original design.



PROJECTS | COMMERCIAL



Caribbean Gas Chemicals
Admin Building



Union Industrial Estate
La Brea



YTEPP Main Administration
Building



Woodford Lodge,
Chaguanas



St. Lucia Financial Centre



Castries, St. Lucia



PROJECTS | EDUCATION



**COSTAATT Main
Administration Building**



Chaguanas



**Belmont Boys RC
Primary School - Block A**



Belmont



**Visual Performing
Arts Building**



Princes Town



PROJECTS | HOUSING



Residential Apartments



Castle Bruce, Dominica



Cotton Hill Apartments



Portsmouth, Dominica



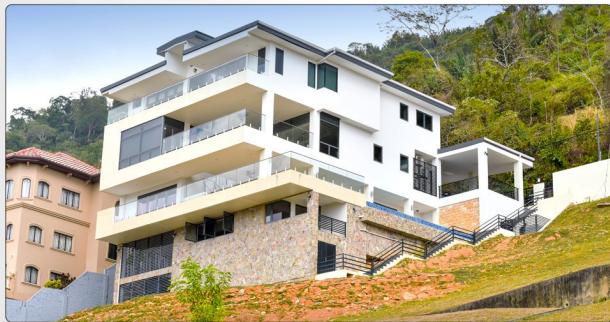
Georgetown Townhouse Development



Portsmouth, Dominica



PROJECTS | HOUSING



Private Residence



Carenage



Private Residence



Diego Martin



Private Residence



Petit Valley



PROJECTS | SPECIAL



Victoria Keyes (Phase 4)
Cistern



Diego Martin



Cabildo Chambers Bridge
Link



Port-of-Spain



L68 Anchored
Retaining Wall



Morne Diablo



PROJECTS | ENERGY



ENERGY PROJECTS



CGCL EPCM Buildings

Project: Foundation for 5 No. FRP 1500 BBLS Capacity Storage Tanks

Client: Mi-SWACO (Schlumberger)

Location: Chaguaramas



La Brea

Project: ST10/20 Gas Turbine Generator Rotor Extraction Platforms

Client: Trinidad Generation Unlimited - 720 MW Combined Cycle Power Plant

Location: La Brea

Project: B-709 Boiler Foundation

Client: YARA Trinidad Limited

Location: Point Lisas

Project: 6 No. Offshore Platform Extensions & Deck Replacements

Client: Trinmar Operations (South-West Soldado)

Location: Off the coast of Point Fortin



YOUR VALUE ENGINEERING PARTNER FOR LIFE



THANK YOU
FOR CONSIDERING US

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