



ASX Quarterly Report
For the Quarter Ended 30 September 2020

SALES DURING THE QUARTER

	Sales 30 Sep 2020 A\$000's	Sales 30 Sep 2019 A\$000's	Sales % Change
EdenCrete®	405	403	1%
OptiBlend®	348	266	30%
Total	753	669	13%

COVID-19

During the quarter, Eden's workforce has remained free of COVID-19 infection. Throughout this period our focus has been to 'prime the pump' for the resumption of normal business when the current disruptions ease, with a strong focus on optimizing our manufacturing process, running production at full capacity (approximately 14 hours a day with shift work separation to prevent COVID 19 cases internally), and establishing a benchmark plan to carry out logistics for the first project related to our large contract signed in June.

Unfortunately, a recent spike in COVID 19 cases in several states has caused many regions to either continue lockdowns in place or look to re-establish lockdowns. This has an impact on all phases of business interactions- new opportunity engagements and delays when government processes are required (e.g., permitting, project initiation). These issues have been amplified by the political impact from the forthcoming US Presidential election as several states where business was growing have refused to re-enter regular business. It appears that significant relaxation on restrictions will now be delayed until 2021.

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EdenCrete®

USA

Overview

In spite of significant obstacles resulting from the COVID-19 pandemic and the many lockdowns that have been imposed across the world, sales of EdenCrete® have continued and the customer base and geographic footprint have continued to grow. Further, our EdenCrete® Virtual Presentation Series has been successful, with increased followers on Social Media, resulting in requests for product introduction.

Most importantly, Eden secured its first long- term contract to supply Silent Partner International to supply a total of up to US\$48million worth of EdenCrete® products over an 8-year period.

Significant potential growth is also emerging from 3 different DOTs with which we have initiated product reviews and trials for applications beyond those for which EdenCrete® is currently being used.

Additionally, we have achieved Approved Vendor status for Georgia Ports and are now able to be included in bid offerings, which could include the large proposed Berth 1 realignment project for the Port of Savannah slated for a bid date in January 2021.

US production capabilities are now fully engaged and we have stockpiled a significant amount of EdenCrete® and EdenCrete Pz® in order to meet the upcoming demand domestically and internationally with the expected easing of COVID 29 restrictions in early 2021.

US EdenCrete® Market Growth - Summary

- Eden secured its first long- term contract to supply Silent Partner International with aggregate sales projected of US\$48 million worth of EdenCrete® products over an 8-year period.
- Continued growth continues in the shotcrete and high-pressure pumping markets.
- The major contractor on the Central 70 project on Interstate 70 in Denver planning to take EdenCrete® to Texas for use with TXDOT projects and large industrial project in West Texas.
- Colorado market expanding eastward into Kansas where EdenCrete® was included in a bid for use in a large commercial project – a new market, a new general contractor, a new ready-mix operator, in a new US state. Earlier successful testing of EdenCrete® had resulted in its inclusion in the bid.
- An order was received for a third industrial flooring project for the same international tyre manufacturer (that has a number of manufacturing plants spread across the US) - in all three projects EdenCrete® has been included in the concrete mix specifications.
- New emerging market in sports stadiums and arenas.

Silent Partner International Inc. - Long Term Supply Contract

- During the quarter Eden signed a long-term agreement (“the Agreement”) under which Eden US agreed to sell in aggregate US\$48 million worth of EdenCrete®, and potentially other products, over the next 8 years to Silent Partner International, Inc. (“SPI”), a US company based in Florida.

- The products will be used in the construction and maintenance of a number of proposed facilities that SPI plans to build in the USA and in other countries.
- SPI has developed a proprietary design that is to be used in the proposed facilities for mitigation of the impact of a broad spectrum of radio frequency (“RF”) interference and/or electromagnetic pulses (“EMP”) that can result from natural occurrences such as solar flares, or human generated causes such as nuclear explosions (“the Purpose”).
- The proposed facilities will be designed for energy generation coupled with one or more of desalination, IT/data storage, aquaculture and/or agri-tech (“the Facilities”).
- In addition to increasing the strength and durability of the concrete, the EdenCrete® and other products are to be included to help SPI achieve the Purpose and mitigate the impact of RF interference and EMP on the Facilities.
- The first Facility, which is to be constructed in West Virginia, was announced by SPI. Subsequent to the signing of the Agreement, SPI has released on its website information regarding its financing and construction partners.
- This Agreement, coupled with the announcement of the first project, represents a major milestone in the global growth of the sales and marketing footprint of EdenCrete® products. Not only is this by far the largest contract for EdenCrete® that Eden has secured to date, but it also opens up an important new application for the EdenCrete® products, that has the potential to develop into a very large market over the coming years.

Shotcrete Market Growth

- One of the great successes has been where EdenCrete® has been included in concrete that is applied as high-pressure shotcrete.
- The added EdenCrete® delivers not only a range of performance benefits in the concrete, such as increased compressive and flexural strength, but also has delivered other advantages. In applications where fresh concrete must be pumped under pressure, primarily for shotcrete or pumping of fresh concrete up to high-rise construction projects, the added EdenCrete® reduces the friction enabling the required pumping pressure to be reduced, that in the case of shotcrete, results in:
 - less wear on the pumps;
 - safer working conditions due to reduced nozzle pressure being required where the concrete is sprayed on; and
 - consequential cost savings through considerably less wasted concrete resulting from a reduction in re-bond of the fresh concrete falling of the wall face.
- These benefits have translated into significant growth in usage of EdenCrete® in shotcrete applications which now include:
 - re-inforcement and buttressing of bridge piers /ground-anchored retaining walls;
 - road-cut stability to inhibit rock-slides and avalanches;
 - construction projects for concrete vertical surfaces and swimming pools; and
 - concrete aquatic structures such as water-slides).
- The Central 70 project on the Interstate Highway I-70 in Denver, Colorado that commenced in late 2018 (see Eden announcement (ASX: EDE) 15 November 2018) and is still continuing. EdenCrete® is being used in all the shotcrete that is being used on this project to assist in buttressing and ground-anchored retaining walls along the 10 miles of highway re-construction (see Figure 1 below).

This multi-year project is expected to require between 6,000 and 10,000 cubic yards of shotcrete in which EdenCrete® is being added at one half a gallon per cubic yard of shotcrete.



Figure 1. Ground-anchored concrete retaining walls (that incorporate EdenCrete®) along portion of the 10 miles of highway re-construction on Interstate Highway I-70 in Denver.

Additionally, in early March 2020 in Illinois, successful pump-ability trials with a ready-mix operator that has operations in three Mid-West States, delivered highly encouraging preliminary tests on a high-rise project in Chicago, testing the comparative vertical pump-ability of EdenCrete® concrete.

EdenCrete® enabled a very low slump, very high strength concrete mix to be pumped significantly higher than could be achieved with the identical mix without EdenCrete® added. Further trials were immediately planned. Three days after this first trial, COVID-19 lockdown restrictions were imposed in Chicago and further testing has not yet been possible, but is hoped that testing will re-commence once these restrictions are lifted.

Sports Stadiums and Arenas – New Emerging Market

- Over the past year EdenCrete® was purchased and used in a number of small, concrete repair projects at different locations in a US sports stadium where high levels of wear occur due to high usage.
- Whilst, individually, these projects are not significant in size or value, the collective data derived from the repeated selection of EdenCrete® for these varied applications, has provided Eden with

a significant amount of marketing material related to the suitability of EdenCrete® for similar applications at other sporting stadiums and suitable high usage sites.

- The range of applications for which EdenCrete® has already been successfully used, include:
 - Interior corridors
 - Exterior corridors
 - Perimeter Facilities
 - Shotcrete applications
 - Freight ramps
 - Security and screening areas.
- After reviewing the available data, Eden has commenced actively targeting this market as well as other similar markets where the similar conditions may exist. Marketing materials are currently being prepared to support proposed approaches to a range of prospective sporting stadiums and complexes in the USA.
- The repeated use of EdenCrete® in concrete by the same property owner, contractor, engineer or ready- mix supplier, for a range of projects, is becoming a far more common occurrence and is proving to be a very effective means of expanding both the range of applications for which EdenCrete® has proven to be beneficial, and also the geographical market footprint of the EdenCrete® range of products.

Regional Progress

Georgia

GDOT/FHWA Projects

During the quarter sales of US\$130,000 recorded.

GDOT Projects

Projects Completed FY 20-21:

- PCCP Rehab @ SR 400 Ramps (Forsyth) – Completed August 2020 – 3,025 gals EC - US\$75,625
- I-285 PCCP Rehab (Fulton, Cobb) – Completed July – 1,375 gals EC - US\$34,375 revenue

Projects Underway FY 20-21:

- I-85 PCCP-MP 149.5-MP 154.5 North/Southbound (Banks) – ~2,475 gals EC - ~US\$61,875

Projects Bid/Pending FY 20-21:

- The first Federal Highway Administration/ GDOT funded project for FY2020/2021, that is expected to take 10 months to complete, was awarded:
 - 6.095 miles of concrete/shoulder rehab I-75/SR 401 (Clayton, Henry)
 - Anticipated EdenCrete® requirement – ~10,200 gals - US\$255,000
 - Contract awarded: September 2020, but to date Eden has not yet received a purchase order.
- 31.143 Miles of Milling/Plant Mix Resurfacing on I-16/SR 404
 - Anticipated EdenCrete® requirement – ~3,720 gals EC - US\$93,000
 - Contractor/R/M supplier have begun the validation process with GDOT.
 - Project scheduled to start in Jan 2021
- PCCP Route 416-MP 7.57-MP 9.17 (Gwinnett) – bids due October 29 2020 – ~1,232 gals EC - ~US\$30,800

Marine Concrete Mix Development Projects Incorporating EdenCrete®

- Pre-cast company conducting trials for reduction in chloride permeability, comparing using EdenCrete® with stainless steel for corrosion resistance benefits.
- Ready mix company participating in marine mix development programme with Eden for US east coast applications – goal is to simplify the mix and provide better performance at no extra cost.
- The results from each development are being shared directly with a large international marine construction firm, along with a potential customer. The success of the marine mix developments will allow for engagement in southeastern ports to start, followed by a push to expand the market footprint not only in the USA but into other countries as well.

Georgia Ports Authority (GPA)

- Eden Innovations LLC has been accepted as an Approved Vendor for Georgia Ports.
- As a result, an upcoming maintenance project will be able to incorporate EdenCrete® in the concrete and its performance in this maintenance project will be key to future success. All regional ready-mix companies and contractors are being made aware of earlier success that EdenCrete® achieved in the GPA evaluation trial conducted in February 2020, as well as EdenCrete®'s other abilities to assist in meeting the expected performance design criteria.

Industrial Flooring Projects

- An order was received for a third industrial flooring project for the same international tyre manufacturer (that has a number of manufacturing plants spread across the US) - in all three projects EdenCrete® has been included in the concrete mix specifications.

Warehouse Projects in Savannah area

High sulfate soils in the Savannah region of Georgia, to which footings/slabs are exposed cause significant problems with durability of the concrete. This area is experiencing rapid growth, particularly in warehouse/ container storage for large logistics operations due to the volume of containers entering and leaving the Port of Savannah, the third busiest container port in the USA, and which is planning a major expansion program over the next 8 years. As a consequence:

- A large amount of additional warehousing is required to be built;
- EdenCrete® being trialed as a solution; and
- Significant potential for substantial sales if trials are successful.

South Carolina

Septic Station

- EdenCrete® used in a small project. This is the first project using EdenCrete® in Charleston, SC.

Colorado

Denver Ready Mix Sales

- Sales to Denver ready-mix suppliers of over US\$61,500 recorded during the quarter.
- A major national ready-mix company installed an EdenCrete® bulk storage tank and dispensing system at another new plant
- Tanks and dispensing systems installed into 2 plants for the same ready-mix operator, including one plant with large concrete volume output.
- 2 new ready-mix plants added as customers during the quarter.

- Additional Denver ready mix plants are expected as customers over next year.
- A number of contractors are now specifying EdenCrete® in their concrete mix designs.
- Regular and increasing number of repeat orders in greater Denver area.

CDOT Trial on Interstate I-70

- Subsequent to the quarter, a project to trial EdenCrete® in a 1,000 sq. ft., 6-inch-thick section of the I-70 was advertised by CDOT. The concrete is currently expected to be poured April-May 2021.

Denver Public Works

- Subsequent to the end of the quarter, an evaluation of the EdenCrete® and reference concrete laid in the 2017 field trial (refer ASX Announcement 20 February 2017 - EdenCrete®-Denver Public Works Commences Evaluation) was undertaken by Denver Public Works.
- Denver Public Works, in the past month, has confirmed that the EdenCrete® test section had performed well and that it will consider how and when it can use EdenCrete® in its projects.
- To date EdenCrete® has not yet been included in the specifications for a project.

Indianapolis

First sale in Indianapolis – Warehouse floor

- EdenCrete® used in a project for a repeat customer.
- Project is subject to high levels of abrasion and requires toughness and durability to survive the harsh working environment.
- This repeat order resulted from the success achieved in an earlier project undertaken by the same customer 2 years ago.

Kansas

New Ready-Mix Company - Wichita, KS

- An order for US\$37,500 was received after the end of the quarter for EdenCrete® to be used in a new five story parking garage for four-inch-thick concrete topping on the floors and ramps.
- This represents a new market, a new general contractor, and a new ready-mix operator in a new US state.

Massachusetts

High Strength Mix Development for Potential New Ready-Mix Customer

- Trials to date have shown positive improvement to mix designs.
- Company has decided to move into other mix designs and challenges where EdenCrete® can have a greater impact – specifically in ultra-high-performance concrete (UHPC). Based on anticipated additional trial completion dates for the current quarter, we are anticipating an initial order before the end of the quarter.

Michigan

MDOT Evaluations of EdenCrete® for Bridges

- MDOT Structures Team is engaging with EdenCrete® for evaluations on bridges where EdenCrete® can provide permeability protection for protection in freeze/thaw environments, as well as abrasion resistance from heavy traffic.

New York

New opportunities

- First repeat order from a ready-mix company that supplies low-medium rise construction industry
- An EdenCrete® enhanced mid-high-rise concrete mix being developed and tested by another ready-mix supplier
- High performance concrete mix for bridge decks being tested with truck trials targeted.

Ohio

Ready-mix provider sales of EdenCrete® enhanced concrete

- Multiple repeat customers for EdenCrete® enhanced concrete for residential driveways
- EdenCrete® enhanced concrete specified in 100-yard pavement replacement for a firehouse
- EdenCrete® enhanced concrete used in several projects requiring pumping, contractors involved impressed with pumpability.
- Ohio Concrete Association is working with Eden Innovations LLC to approach ODOT with a solution for several key challenges. ODOT is ready and we will also leverage success with GDOT and CDOT to move to regular business.

Texas

Texas DOT Opportunities

- Currently working with Texas for full spectrum of performance impacts from EdenCrete® from fresh properties to final application improvements.
- New markets for shotcrete emerging for highway wall support similar to CDOT.
- The major contractor on the Central 70 project on Interstate 70 in Denver where EdenCrete® in being used plans to take EdenCrete® to Texas for use with TXDOT projects and large industrial project in West Texas.

Texas Commercial Opportunities

- Discussion underway with large fast food company for use in parking lots/drive throughs for new and existing franchises and corporate stores.
- Engaging with 3D printing company to realize the same benefits to pumpability as have been achieved with shotcrete, as well as other performance benefits from the finished concrete.

Utah

Utah Market Growing

- First sale of EdenCrete® for use in shotcrete in Utah recorded during the quarter.

INTERNATIONAL

- **As a result of having completed a number of successful trials with potential customers in Australia, India and Israel before the COVID-19 pandemic resulted in lockdowns in all of these markets, during the quarter, after extended delays in each case due to these lockdowns, Eden received its first significant order from Australia, and initial orders from both India and Israel.**
- **Further, since the end of the quarter, the large European construction company that had completed seven months of trials with EdenCrete® out of a planned 9-12 months programme, has advised that it is to resume its trial process.**

AUSTRALIA

First Significant Sale of EdenCrete® Products

- First significant sale to Parchem Construction Supplies Pty Ltd during the quarter for US\$58,278 for a 20-foot container load of EdenCrete® products, comprising mostly EdenCrete® and a limited quantity of EdenCrete®Pz, that was supplied from Eden's plant in Littleton, Colorado, USA.
- This order was a very welcome development and follows significant interest in EdenCrete® products being shown by a range of companies in Australia and New Zealand, that in turn has resulted in a number of successful trials of EdenCrete® products being carried out by potential customers.
- After extensive communications over many months, NICNAS, the Australian Government body that assesses chemical products that are proposed to be manufactured in, or imported into, Australia has again requested further information that is currently being arranged, to enable it to complete the formal assessment of the EdenCrete® products that Parchem Industrial Products, the Australian and New Zealand distributor of EdenCrete®, wishes to import.
- This assessment process is likely to still be completed in the current quarter.
- Although the delay has been very disappointing, when approval from NICNAS is finally received, it will open the way for Parchem to import EdenCrete® Products into Australia for sale.
- A number of successful trials by potential Australian customers have been carried out and are expected will lead to sales when the products become available in Australia.

EUROPE

Trials of EdenCrete® Products

- Extensive trials of EdenCrete® by a large European construction company commenced in mid-2019 and were scheduled to be completed by April 2020.
- However due to COVID 19, the trials were shut down for almost 9 months. In October 2020 the construction company requested a new trial at a pre-fabrication plant owned by one of its subsidiaries, which represents an exciting and very encouraging development after a long delay.

INDIA

First EdenCrete® Commercial Order received

- Eden received its first purchase order from the construction division of Godrej & Boyce Manufacturing Co. Ltd ("Godrej"), to supply it with EdenCrete®Pz for use in its ready-mix concrete operation that is run by Godrej Construction, the construction division of Godrej.
- The product is likely to arrive in India towards the end of October, and it is anticipated it will be put into projects without significant delay.

ISRAEL

First Sale of EdenCrete® Products

- Following earlier successful trials Eden received its first purchase order to supply Argil Group with both EdenCrete® and EdenCrete®Pz for use in a number of forthcoming commercial trials, initially focused on industrial flooring, shotcrete applications and construction concrete strength testing.
- Subsequent to the end of the quarter the product has been delivered to the customer in Israel.

SOUTH KOREA

Trials of EdenCrete® Products

- Trials of EdenCrete® by a number of large South Korean companies have taken place in spite of ongoing difficulties periodically arising due to COVID 19. Some of these trials are still ongoing. To date, whilst some of the results have been encouraging, no sales have yet been achieved.

EdenPlast®

JAPAN

- A Japanese plastics company expressed interesting in testing EdenPlast®, which resulted in a non-disclosure agreement to protect each party's intellectual property rights being executed. A concentrated master batch using the Japanese company's raw polypropylene in which 38% by weight of Eden's carbon nanotubes were dispersed of was then prepared in Australia and sent back to Japan for testing by the Japanese company.

ISRAEL

- Argil Group, the same company has purchased the initial EdenCrete® order in Israel, has also expressed interest EdenPlast® and discussions have commenced.

OPTIBLEND®

OptiBlend® Sales for the Quarter

	SALES (A\$000s)
USA	70
INDIA	277
TOTAL	347

The quarterly OptiBlend® sales were 30% higher than in the corresponding quarter in 2019, in spite of COVID-19 difficulties and lockdowns in both USA and India.

These figures include A\$191,250, being the value the first OptiBlend® order from Nigeria invoiced during the quarter by Eden India.

Since the end of the quarter, on 8th of October 2020, the Environment Pollution (Prevention and Control) Authority (EPCA), a body mandated by the Indian Supreme Court, banned the use of diesel generator sets, with effect from 15 October 2020, in Delhi (the National Capital Territory), Noida, Ghaziabad, Faridabad and Gurugram, that collectively comprise the National Capital Region (NCR region).

The NCR region encompasses an area of 30,242 sq. km and has a total population of over 47 million people. Delhi alone, now has a population of over 20 million people.

The ban applies throughout the NCR region to non-essential diesel-powered generator sets during the winter period. This ban supports similar policies to reduce the air pollution that were earlier detailed in the National Clean Air Programme (NCAP), which, to date, State governments in Haryana, Maharashtra and Tamil Nadu have already adopted and which are considered likely to be adopted in further States.

Importantly, NCAP expressly approved the retrofitting of diesel-powered generator sets for partial Natural Gas usage (using a fuel mixture of diesel and Natural Gas) as a cost-effective way to convert the huge number of existing diesel generator sets across India to a Natural Gas operation, opening this major market opportunity for the OptiBlend® dual fuel system. The three States of Haryana, Maharashtra and Tamil Nadu, together with the NCR region are where piped Natural Gas is currently available (in Tamil Nadu it is only currently available on a limited basis) and is being promoted as a clean fuel alternative for power generation through the conversion of diesel generator sets to a wholly or partial Natural Gas operation.

The total population of the NCR region, Haryana, Maharashtra and Tamil Nadu alone is approximately 276 million people, representing an estimated 20% of the Indian population. The Petroleum and Natural Gas Regulatory Board (PNGRB), a unit of the Government of India, is the national body responsible for promoting the establishment of a Natural Gas infrastructure and distribution network

across India, including in many cities in these three States and the NCR region, as well as in cities in other States across the country.

In consequence, demand in India for OptiBlend® dual fuel systems have greatly increased. OptiBlend® sales by Eden India (Eden's wholly owned Indian subsidiary) for the quarter ended 30 September 2020 (including a sale to Nigeria), reached approximately A\$277,000, the highest quarterly total achieved to date, but which total is projected to rise significantly over the coming quarters. Currently, Eden India has outstanding quotations valued at almost A\$1million with a range of potential customers and anticipates that a reasonable number of these quotations will convert into sales.

For larger generator sets which comprise a significant share of Eden India's target market, these quotations are usually in the range of at least A\$30,000 - A\$40,000 per generator set. To enable it to access this huge, emerging market opportunity, Eden India is at present establishing a network of commission-only, sales representatives in areas where piped Natural Gas is already available, commencing in the NCR region and the States of Maharashtra, Goa and Punjab.

Eden India has been selling OptiBlend® dual fuel systems in India (and in Nigeria, Bangladesh and Dubai) for over 10 years, for use on a wide range of makes and models of diesel generator sets from most of the leading global and Indian generator set manufacturers. Eden India's customers include many leading Indian and international companies that have run OptiBlend® dual fuel systems without any disruption, in some cases for over 10 years. Eden India manufactures in India all the OptiBlend® dual fuel systems that it supplies to the Indian, Asian, African and Middle Eastern markets.

These systems all comply with the Eden US design and performance standards and provide a very cost-effective solution that enables Eden India to compete in these highly price sensitive markets.

BACKGROUND

OptiBlend designed and developed by Eden US more than 12 years ago, is 100% owned by Eden. It is a custom fitted hardware technology designed and produced by Eden in the US and India that allows conventional diesel engines to run on natural gas as its primary fuel without modifying the engine or the diesel fuel system.

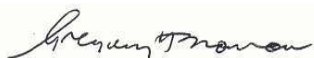
Key features and statistics are that it:

- *Works by displacing up to 70% of diesel fuel with natural gas;*
- *Lowers fuel costs, lower emissions and increased runtime;*
- *Is a highly efficient, cost effective system that reduces fuel cost and emissions;*
- *Is used by Cummins on its oil/gas drilling power module using 3 Tier II gensets;*
- *Is suitable for most makes of diesel engines; installed on most major global brands; • Has been marketed in US and India for over 10 years – highly reliable and durable, long proven in the market place;*
- *Over 200 systems sold and installed over the past 10 years across USA and India and in a number of Middle Eastern, African and East Asian countries; and*
- *Significant potential market emerging in India and in particular in Delhi where extreme air pollution has resulted in a proposed government ban on use of gensets during winter running solely on diesel fuel.*

CORPORATE

Additional finance arranged

- During the quarter, Eden successfully completed a share purchase plan raising A\$4.2 million before costs through the issue of ordinary shares at A\$0.028.
- Additionally, Eden is pleased to advise that it has successfully completed the negotiations for a backstop financing facility (“the backstop facility”) that was previously foreshadowed, for up to an additional A\$7.2 million, and which backstop facility will be subject to the ASX not having any objections and to Eden first receiving shareholder approval at Eden’s forthcoming annual general meeting in November 2020.
- Further options for capital raising are currently being explored.



Gregory H Solomon

Executive Chairman

This report was authorised by the above signatory.

For further information please contact Aaron Gates on +61 8 9282 5889.

Description of Payments to related parties of the entity and their associates (LR 5.3.5)

Payments to related parties during the quarter related to:

1. Directors Fees
2. Management Fees, as per agreement, were paid during the quarter to a company of which Mr GH Solomon and Mr DH Solomon are directors.; and
3. Legal Fees and disbursements were paid during the quarter to a firm of which Mr GH Solomon and Mr DH Solomon are partners.