

MANAGEMENT'S DISCUSSION AND ANALYSIS

For the three months and year ended

October 31st, 2020 and 2019



GENERAL

The following Management Discussion and Analysis of financial condition and results of operations ("MD&A") of NuRAN Wireless Inc. ("we", "us", "our", the "Company" or "NuRAN") for the year ended October 31st, 2020 has been prepared by management and should be read in conjunction with the audited consolidated financial statements for the years ended October 31st, 2020 and 2019 and the related notes thereto. The Company's consolidated financial statements are prepared in accordance with International Financial Reporting Standards ("IFRS"). References to notes are with reference to the consolidated financial statements. Unless otherwise noted, all currency amounts are in Canadian dollars. These documents, as well as additional information on the Company, are filed electronically through the System for Electronic Document Analysis and Retrieval (SEDAR) and are available online at www.sedar.com.

Unless otherwise stated, this MD&A is prepared as of March 1st, 2021.

DISCLAIMER FOR FOWARD LOOKING STATEMENTS

This MD&A contains forward-looking statements. Often, but not always, forward-looking statements can be identified by the use of words such as "plans", "expects" or "does not expect", "is expected", "estimates", "intends", "anticipates" or "does not anticipate", or "believes", or variations of such words and phrases or state that certain actions, events or results "may", "could", "would", "might" or "will" be taken, occur or be achieved. Forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of the Issuer (as defined herein) or NuRAN (as defined herein) to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Examples of such statements include: expectations regarding NuRAN's ability to raise capital, the intention to expand the business and operations of NuRAN and use of working capital and proceeds of capital raises. Actual results and developments are likely to differ, and may differ materially, from those expressed or implied by the forward-looking statements contained in this MD&A. Such forward-looking statements are subject to a number of risks as outlined below under "Risks and Uncertainties" and include risks such as the uncertainties regarding the impact of the COVID-19 outbreak, and measures to prevent its spread, risks relating to NuRAN's business and the economy generally; NuRAN's ability to refinance its long term debt that is currently in default; NuRAN's ability to adequately restructure its operations with respect to its new model of NaaS service contracts; the capacity of the Company to deliver in a technical capacity and to import inventory to Africa at a reasonable cost; NuRAN's ability to obtain project financing for the proposed site build out under its NaaS agreements with Orange and other telecommunication providers, the loss of one or more significant suppliers or a reduction in significant volume from such suppliers; NuRAN's ability to meet or exceed customers' demand and expectations; significant current competition and the introduction of new competitors or other disruptive entrants in the Company's industry; NuRAN's ability to retain key employees and protect its intellectual property; compliance with local laws and regulations and ability to obtain all required permits for our operations, access to the credit and capital markets, changes in applicable telecommunications laws or regulations or changes in license and regulatory fees, downturns in customers' business cycles; and insurance prices and insurance coverage availability, the Company's ability to effectively maintain or update information and technology systems; our ability to implement and maintain measures to protect against cyberattacks and comply with applicable privacy and data security requirements; the Company's ability to successfully implement its business strategies or realize expected cost savings and revenue enhancements; business development activities, including acquisitions and integration of acquired businesses; the Company's expansion into markets outside of Canada and the operational, competitive and regulatory risks facing the Company's non-Canadian

based operations. These forward-looking statements should not be relied upon as representing NuRAN's views as of any date subsequent to the date of this MD&A.

Although NuRAN has attempted to identify important factors that could cause actual actions, events or results to differ materially from those described in forward-looking statements, there may be other factors that cause actions, events or results not to be as anticipated, estimated or intended. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward looking statements. The factors identified above are not intended to represent a complete list of the factors that could affect NuRAN. Such statements made by the Company are based on current expectations, factors and assumptions and reflect our expectations as at March 1st, 2021. Except as required by applicable law, we undertake no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise.

For a description of material factors that could cause the Company's actual results to differ materially from the forward-looking statements in this MD&A, please see "Risks and Uncertainties" below.

CORPORATE STRUCTURE

NuRAN was incorporated under the *Business Corporations Act* (British Columbia) on September 23rd, 2014. The Company was initially a wholly-owned subsidiary of Bravura Ventures Corp. ("Bravura"). On October 14th, 2014, the Company entered into an arrangement agreement with Bravura and 1014379 B.C. Ltd., pursuant to which the shareholders of Bravura exchanged certain common shares of Bravura for common shares of NuRAN by way of a plan of arrangement (the "Arrangement") and NuRAN became a reporting issuer in the provinces of British Columbia and Alberta.

Following completion of the Arrangement, NuRAN entered into an amalgamation agreement dated March 11, 2015 with Nutaq Innovation Inc. ("Nutaq") and 9215174 Canada Inc. ("Newco"), a wholly owned subsidiary of NuRAN formed for the purpose of the amalgamation, pursuant to which Nutaq amalgamated with Newco and NuRAN acquired all of the issued and outstanding shares of the amalgamated company in consideration of 32,999,994 common shares of NuRAN based on a ratio of 2.749 NuRAN common shares for each share of Nutaq issued and outstanding on the closing date. Nutaq and Newco completed the amalgamation on June 2nd, 2015 and the amalgamated company was named "Nutaq Innovation Inc.". Following the closing of the transaction, NuRAN had 40,471,869 common shares issued and outstanding and former shareholders of Nutaq acquired 81.5% of the issued and outstanding common shares of NuRAN. Following closing of the Amalgamation, Nutaq Innovation Inc. is a wholly owned subsidiary of NuRAN and NuRAN operated the business of Nutaq.

Nutaq was incorporated under the laws of Canada on May 30, 2005 under the name "Lyrtech RD Inc.". Nutaq changed its name to "Nutaq Innovation Inc." on August 31st, 2012; its registered and head office is located at 2150 Cyrille-Duquet Street, Suite 100, Quebec, Quebec G1N 2G3. On August 28th, 2020 the Board of Directors of Nutaq voted to cease operations and on that date all of its board members, except Mr. Francis Letourneau, resigned their respective positions. On August 31st, 2020 Nutaq announced the decision and filed an insolvency proceeding and on September 1st, 2020 the Company approved the appointment of Lemieux Nolet as trustee for Nutaq's bankruptcy proceedings. At the same time trading of the Company's stock was halted.

On September 22nd, 2020, the trustee and Nutaq's first ranking secured creditors reached an agreement pursuant to which all of the assets of Nutaq, including all inventory, equipment and R&D equipment,

trademarks, patents, accounts receivables, bank account and SR&ED credits would be sold. On October 27th, 2020, the parent company re-acquired, these Nutaq Assets for \$100,000.

As a result of the insolvency proceedings, the Company eliminated/extinguished the obligation to repay certain creditors and recorded a \$1.5 million gain on the extinguishment of liabilities. As well, the Company assumed \$4.2 million in obligations of Nutaq. These transactions and the events that have taken place subsequently are explained more fully in the notes financial statements.

DESCRIPTION OF BUSINESS

NuRAN is a leading supplier of mobile and broadband wireless infrastructure solutions. Its innovative radio access network (RAN), core network, and backhaul products dramatically reduce the total cost of ownership, giving mobile network operators (MNO) the ability to profitably serve remote, low income and low population density locations, an unfeasible proposition with existing systems.

Since September 2nd, 2020, when Nuran restructured its operations and closed its Nutaq operations causing Nutaq to file for bankruptcy, Nuran has become focused on growing the market penetration of its Wireless Infrastructure Systems (WIS) either through the outright sale of the system to MNOs or as the backbone of NuRAN's Network as a Service (NaaS) previously referred to as Mobile Network Enabler.

NuRAN's WIS are mobile wireless infrastructure equipment (e. g. base station radios) that use proprietary breakthrough small cell solutions to offer better coverage, the lowest installed cost and the most efficient power consumption currently available in the global marketplace.

Our design provides two key competitive advantages:

- Low total cost of ownership, a key feature for developing countries and rural/low population density areas, and
- Small footprint, easy to deploy private networks, customizable for specific markets such as defense, utilities, industrial and machine-to-machine ("M2M").

Nuran's NaaS model leverages the capabilities of its WIS as well as its extensive expertise in the build of cost-effective cellular infrastructure. The model provides not only the network equipment but NuRAN also builds, operates and maintains the cellular sites in a very effective manner. The NaaS model is receiving significant interest from MNO's as a carrier-grade mobile network infrastructure solution that allows them to continue focusing their capital expenditures into developing new technologies, while being able to reach previously uneconomic markets. Another reason for this growing interest in the NaaS is that it allows MNO's to meet the obligations to serve remote communities that are a requirement of their government licenses. The investment in the NaaS model is customer friendly but it also provides Nuran with long-term recurring revenues resulting in a compelling return.

NuRAN's wireless infrastructure solutions are also capable of supporting mobile payment transactions, a tremendous social and economic benefit for those in the developing world where 95% of all transactions are cash and 60% of adults don't currently have a bank account, as well a significant potential market for MNO's.

By deploying communication infrastructure in uncovered areas, Nuran also makes a very significant contribution to the socio-economic conditions of the areas it serves and meets a significant number of the seventeen sustainable development goals set by the United Nations. This includes improving the local economies and enabling access to e-learning, e-health and other social services not currently available to the local population.



GENERAL OBJECTIVES

The Company's mission is to enable its clients to profitably connect the 4 Billion people without broadband connectivity and the Next Billion of wireless communications users, those that do not have the benefit of accessing reliable telecommunications and power infrastructure.

The company delivers the world's most affordable, lowest power consumption and easiest to deploy wireless solutions. NuRAN deploys its own breakthrough small cell solution in traditionally underserved and emerging markets, addressing the CapEx and OpEx challenges of operators, allowing Telcos to deploy profitably in the least population dense and most remote areas.

OVERALL PERFORMANCE AND OUTLOOK

Performance

During the twelve months ended October 31st, 2020, the Company continued the implementation of its strategy to become the supplier of choice to Mobile Network Operators (MNOs) across the world for remote and rural areas without connectivity.

Management's decision to redirect NuRAN's efforts to the NaaS market was made with the awareness that this change would require considerable initial investments in marketing, branding, sales, field tests and to prepare for increased production. These investments were planned to be recovered over the next couple of years through increased market visibility, higher sales and better gross margins.

In spite of delays incurred throughout the qualification process with MNO's, the contracts executed, those currently being negotiated and the growing sales pipeline confirms management's expectations.

The Company's ongoing investments in research and development, engineering and manufacturing have been rewarded with the acknowledgment by leading industry organizations and participants that NuRAN's Wireless Infrastructure Solutions are "at the top of its class".

In addition, NuRAN's marketing and branding efforts have significantly increased the market's awareness of its wireless solutions.

Some of the achievements that support this view include:

- The execution in October of 2020 of a 10-year NaaS contract with Orange Cameroon SA to build and manage 122 sites in rural locations that, once fully operational, is expected to generate revenue of over \$2 million annually. The agreement also includes an option for another 150 sites in Years 2 and 3 of the contract. The first phase of sites has been planned and equipment ordered as at today's date with the intention of having the first batch delivered soon. The management of NuRAN made the decision to initiate these orders and cover the initial financial obligations from operating cashflow.
- Negotiations concerning another previously announced Memorandum of Understanding were concluded and NuRAN executed a NaaS contract with Orange DRC SA, to build over the next 40 months and manage over the next 10 years, 2,000 sites throughout the Democratic Republic of the Congo. Once all sites are fully operational, annual gross revenues are expected to exceed \$40 million.



- NuRAN has identified and entered into contracts with experienced and reliable local partners, hired local expertise to manage the process to build the sites and negotiations are underway for the financing of these projects with a number of Canadian and international financial institutions.
- In the fourth quarter, NuRAN received purchase orders for its existing product line valued at approximately \$630,000 intended to be deployed in rural and northern Canada. These projects helped fund operating expenses and allowed the Company to achieve cash flow and fund near term obligations.
- In November 2020 Nuran received its first purchase order from ISAT Africa, a managed service satellite provider, for its initial commercial rural deployment in a Sub-Saharan country. The companies have also signed a preliminary agreement for Nuran to supply a complete turnkey solution using NuRAN's NaaS model.
- The signing of the above-mentioned contracts confirms the quality of the Company's products and Nuran continues to engage with African MNO's to identify future opportunities and grow its qualified pipeline.
- Execution of a \$4.75 million contract with Intelsat for delivery and installation of NuRAN's Wireless Infrastructure Solutions to expand and enhance mobile connectivity services to the Marshall Islands. The work started in 2020 and, in spite of the pandemic delays, to date approximately 35% of the contracted services have been delivered.
- The sites NuRAN developed in Partnership with Vodaphone Ghana, financed through a GSMA Connected Society Innovation Grant for rural connectivity, have gone into operation in February 2021 reaching a penetration rate of over 50% in the first month since launch.
- NuRAN technology has been selected by MTN, the largest African mobile operator, for its rural expansion plan, consisting of more than 5,000 potential sites. Contracting and negotiations with deployment partners are ongoing.
- The United States Patent Office granted the Company with a patent related to 5G Massive MIMO;
- In July 2019, NuRAN announced it had successfully conducted over-the-air 5G communication tests between its Nutaq test & measurement systems and 5G-capable commercial smartphones. NuRAN plans to migrate the technology onto its LiteRAN xG product.

In addition to these market successes, the Company has seen its financial strength improved through several positive developments, some of which were achieved following the fiscal year end:

- The Company reached an agreement with its Convertible Debenture holders to extend the maturity date and pay accrued interest in shares,
- It streamlined its operations, reducing operating costs and extinguishing and restructuring debt,
- Major debt holders are supporting the Company's new direction demonstrated by the fact that they already converted over sixty-six percent of the debt into equity,
- The holders of lower priced options and warrants have started to exercise these bringing additional working capital for the Company allowing us to accelerate our growth plans,

- Management is reviewing the bankruptcy filing of Nutaq to determine the best approach to maximize any related future tax benefits, and
- Success in executing contracts has increased NuRAN's visibility opening new opportunities for collaboration, financing and business development.

The above progress and achievements reinforce management's belief in the success of the Company's strategic shift and that NuRAN is positioned to become the market leader in this very important and growing space which should generate strong returns to its shareholders.

Outlook

NuRAN's wireless infrastructure solutions have been deployed by MNOs for commercial operations. NuRAN has qualified its solutions with both Tier-1 MNOs and mobile operating groups. The Company is making progress in completing the qualification with additional MNOs (ongoing activities), and in addition is preparing trials with multiple others. NuRAN solutions are being either tested or operated by MNOs in more than 20 countries across South East Asia, Africa, South America and Latin America. NuRAN has also established alliances with other key industry actors such as satellite operators and tower companies to further increase its market reach. The successful qualification by MNOs and partnerships with key industry players put NuRAN in a position to generate significant business in both the short and long term in management's view.

NuRAN's previously announced that development is underway on LiteRAN xG, a mobile wireless infrastructure solution that will provide operators with 2G, 3G, & 4G capability from a single piece of equipment allowing them to run multiple technologies simultaneously and evolve their services over time. Deployment is expected to commence in 2021 starting with Intelsat and the GSMA program in Ghana. The addition of LiteRAN xG to the portfolio significantly widens the Company's addressable market.

Management believes that the market adoption of NuRan's NaaS is gaining traction, as demonstrated by the recent signing of two MNO contracts. MNO's are starting to recognize the quality of NuRAN's carrier-grade mobile network infrastructure solutions, its extensive expertise in the build of cost-effective cellular networks as well as the economic benefits of being able to reach a large base of customers not reachable to date.

The following discussion of the Company's financial performance is based on the condensed interim consolidated financial statements for the fiscal years ended October 31st, 2020 and 2019.

Factors Concerning the Company's Financial Performance and Results of Operations

To evaluate the results of the strategic shift, management closely monitors four key measures of the Company's performance: Revenue, Gross Profit Margins (GPM), Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA) and Net Income.

Revenue growth measures the success of our marketing and sales efforts. This is dependent on the Company's ability to penetrate new markets and gain new customers for existing and new products and services. The investments in marketing and sales and the new products launched since 2016 have increased our sales pipeline, started to generate sales and should produce increasing revenues.

GPM measures how efficiently and effectively NuRAN delivers its systems and services to its clients.



EBITDA measures the entire operations by including selling and administrative costs. It should increase as sales grow.

Management believes that net income is a measure of how efficiently and effectively the business is running. To achieve an acceptable net income, the company needs to significantly increase its revenues, while maintaining or slightly increasing its selling and general administration costs and efficiently utilising the capital assets that it deploys, including the NaaS model.

SELECTED ANNUAL FINANCIAL INFORMATION

The following is selected financial data derived from the annual consolidated financial statements of the Company as at October 31st, 2020 and October 31st, 2019 and for the periods then ended:

| | Year ended October 31 st , 2020 | Year ended October 31 st , 2019 | Year ended October 31 st , 2018 |
|------------------------------|---|---|---|
| Total revenues | \$ 3,930,078 | \$ 2,122,167 | \$ 4,169,237 |
| Total loss | \$ (1,894,253) | \$ (3,548,993) | \$ (3,497,000) |
| Net loss per share – basic | \$ (0.27) | \$ (0.57) | \$ (0.75) |
| Net loss per share – diluted | \$ (0.27) | \$ (0.57) | \$ (0.75) |

| | Year ended October 31 st , 2020 | Year ended October 31 st , 2019 | Year ended October 31 st , 2018 |
|---|---|---|---|
| Total assets | \$ 7,939,930 | \$ 8,828,268 | \$ 7,549,728 |
| Total non-current financial liabilities | \$ 2,233,722 | \$ 632,911 | \$ 206,657 |

RESULTS OF OPERATIONS

Revenue

The \$1,807,911 increase in revenue for the year ended October 31st, 2020 compared to the year ended October 31st, 2019 (\$2,047,070 decrease for the year ended October 31st, 2019 compared to the year ended October 31st, 2018) results from significant WIS-related contracts the Company has secured in late 2019.

Gross Profit

Gross profit for the year ended October 2020 increased by \$353,312 compared to year ended October 31st, 2019 (decreased by \$717,712 for the year ended October 31st, 2019 compared to the year ended October 31st, 2018). The increase in gross profit is in direct relation to the increase in revenue.

Gross margin for the year ended October 31st, 2020, decreased to 28% from 34% for the year ended October 31st, 2019 (decreased to 34% for the year ended October 31st, 2019 from 35% for the year ended October 31st, 2018). The decrease results from the execution of recent contracts which involves the delivery of complete infrastructure systems including third-party products sold at lower margins.

Expenses

During the year ended October 31st, 2020 total expenses decreased by \$739,164 from the year ended October 31st, 2019 (for the year ended October 31st, 2019 total expenses decreased by \$666,714 from the year ended October 31st, 2018). Selling, Administrative and R&D expenses fell during the year as a result of cost containment measures put in place by the Company. Not included in the above decrease is the impact of the Canada Emergency Wage Subsidy (CEWS) of 472,624 applied against R&D, production and administrative salaries. Financial expenses during the period were 217,841 lower than the previous year due in large part to a gain on foreign exchange of 214,437.

Net Loss Before Other Elements and Income Taxes

As a result of all the factors mentioned above the Net Loss Before Other Elements and Income Taxes for the year ended October 31st, 2020 decreased to \$2,459,152 from the year ended October 31st, 2019 loss of \$3,551,628 (for the year ended October 31st, 2019, total Net Loss Before Other Elements and Income Taxes decreased to \$3,551,628 from the year ended October 31st, 2018 loss of \$3,500,630).

Other Elements and Income Taxes

Other Elements and Income Taxes for the year ended October 31st, 2020 generated a net gain of \$564,899 compared with a net gain of \$2,635 in the year ended October 31st, 2019 (a net gain of \$2,635 for the year ended October 31st, 2019 compared to a net gain of \$3,630 for the year ended October 31st, 2018). A gain of \$1,543,436 on extinguishment of debt accounts for the majority of this gain.

Net Loss and Total Comprehensive Income

As a result of all the factors mentioned above the Net Loss and Total Comprehensive Income for the year ended October 31st, 2020 decreased to \$1,894,253 from the year ended October 31st, 2019 loss of \$3,548,993 (for the year ended October 31st, 2019 increased to \$3,548,993 from the year ended October 31st, 2018 loss of \$3,497,000). NuRAN's audited financial statements show a future tax liability of \$1,491,087. This liability relates to the acquisition of the Nutaq assets at a price significantly below their book value. Based on the structure of the Nutaq bankruptcy, it is not currently possible for NuRAN to recover Nutaq's past tax attributions. However, management has been advised that this structure may be changed so that NuRAN can recover almost all of these tax attributes, of significantly greater value than the future tax liabilities. This restructuring of the bankruptcy will require the approval of several stakeholders. However, management will take the necessary steps to obtain all approvals and complete the bankruptcy restructuring to recover these amounts.

Financial Highlights of the year ended October 31st, 2020

For the year ended October 31st, 2020, the Company's financial performance was the following as compared to the year ended October 31st, 2019:

- Revenue of \$3,930,078 compared to \$2,122,167 for the year ended October 31st, 2019;
- Gross margin of 28% compared to 34% for the year ended October 31st, 2019;
- Gross Profit of \$1,082,297 compared to a Gross Profit of \$728,985 for the year ended October 31st, 2019;
- Net Loss Before Other Elements and Income Taxes of \$2,459,152 compared to \$3,551,628 during the year ended October 31st, 2019;
- Net Loss of \$1,894,253 compared to a Net Loss of \$3,548,993 for the year ended October 31st, 2019.

Expenses

Below is a discussion of the expenses for the year ended October 31st, 2020

| | 2020 | 2019 | % change from 2019 |
|---|-----------|-----------|--------------------|
| Selling expenses | 869,894 | 1,105,283 | -21.30% |
| Administrative expenses | 1,301,134 | 1,634,168 | -20.38% |
| Financial expenses | 458,545 | 676,386 | -32.21% |
| Research and development costs, (net of 97,743 in 2019) in tax credits | 911,876 | 864,776 | +5.45% |
| | 3,541,449 | 4,280,613 | -17.27% |

Selling expenses

Selling expenses consist of salaries to sales and marketing staff, commissions on sales, travel expenses, trade shows and presentations. The reduction is a result of lower salaries, professional fees and travel expenses, partly due to COVID-19.

Administrative expenses

Administrative expenses consist of remuneration, legal fees, audit and accounting fees, insurance, rent, consulting fees and general office expenses. The decrease in administrative expenses is due to a reduction in salaries and lower consulting fees, partly due to COVID-19.

Financial expenses

Financial expenses consist of loan interest, fees on factoring accounts receivable and gain/loss on the exchange rate.

The decrease in financial expenses for the year ended October 31st, 2020 compared to the year ended October 31st, 2019 is a result of exchange rate gains partially offset by an accretion expense.

Research and development

Research and development costs for the year ended October 31st, 2020 have increased from the year ended October 31st, 2019.

SUMMARY OF QUARTERLY RESULTS

| Three Months Ended | Net Revenues (\$) | Net Gain (Loss) (\$) | Basic and Diluted Loss Per Share (\$) |
|--------------------|----------------------|-------------------------|---|
| 31-Oct-20 | 132,797 | (540,193) | (0.08) |
| 31-Jul-20 | 319,228 | (71,545) | (0.00) |
| 30-Apr-20 | 1,432,841 | (1,089,155) | (0.01) |
| 31-Jan-20 | 2,045,212 | (193,361) | (0.00) |
| 31-Oct-19 | (188,308) | (808,080) | (0.00) |
| 31-Jul-19 | 351,435 | (898,210) | (0.01) |
| 30-Apr-19 | 717,283 | (922,157) | (0.01) |
| 31-Jan-19 | 1,241,757 | (920,546) | (0.01) |
| 31-Oct-18 | 528,443 | (1,406,798) | (0.01) |

FOURTH QUARTER

The quarterly results were severely impacted by the inactivity of the Company due to the bankruptcy of Nutaq on September 2nd, 2020. The operations of NuRAN only resumed on October 29th, 2020.

During the three months ended October 31st, 2020, the Company earned revenues of \$132,797 compared to \$(188,308) during the three months ended October 31st, 2019, an increase of \$321,105.

For the three months ended October 31st, 2020, the Company incurred a gross loss of \$99,270 compared to gross loss of \$86,652 for the same period of 2019.

The net loss for the quarter was \$540,193 compared to a net loss of \$808,079 for the same quarter in 2019. The decrease in net loss is mainly due to a reduction in operating expenses.

LIQUIDITY AND CAPITAL RESOURCES

The Company's cash decreased to \$64,254 as at October 31st, 2020, from \$510,532 as at October 31st, 2019. Current assets decreased to \$2,180,068 as at October 31st, 2020, from \$4,468,085 as at October 31st, 2019.

The cash position has decreased as at October 31st, 2020 compared to October 31st, 2019 due to increased purchases of intangible assets (including capitalisation of R&D expenses), a lower net increase in long term debt and no issuance of common shares during the year.

Future Financing

Management closely monitors the Company's current cash position and the short-term and long-term cash requirements and recognizes the need for improved cash flow and liquidity for future operations and growth. The Company will look for additional financing for costs related to operations and its growth strategy (including the purchase of new equipment, continuous development of next generation wireless solutions such as the multi-Standard 2G, 3G, 4G platform, as well as the deployment of mobile infrastructure under the NaaS model).

Although the Company's cash position at the end of October 2020 was positive, current inflows are not sufficient to cover its selling, administrative and R&D costs and finance its sales growth. The Company will continue to depend on its ability to convert its sales opportunities into purchase orders (for example the recently signed agreements with Orange SA for Cameroon and DRC), raise debt to finance NaaS projects and future equity issuances or other means to finance its operations.

The ability of the Company to continue operating will therefore be dependent upon obtaining additional financing as required. The timing and ability to do so will depend on the liquidity of the financial markets as well as the acceptance of investors to small cap companies, in addition to the results of the Company's operation. Although management believes that the company will be able to raise the necessary financing, there can be no guarantee that these efforts will be successful.

OFF-BALANCE SHEET ARRANGEMENTS

The Company has not entered into any off-balance sheet arrangements.

TRANSACTIONS WITH RELATED PARTIES

The Company's related parties include key management personnel.

The Company's key management consists of the directors and executives. The key management personnel remuneration totals \$449,414 for the year ended October 31st, 2020 (\$552,691 for the year ended October 31st, 2019). On December 19th, 2019, the Company granted stock options pursuant to its incentive stock option plan to certain directors and officers of the Company to purchase up to an aggregate of 100,000 common shares in the capital stock of the Company, at an exercise price of \$1.50 per share. All options will vest 3 months after the date of the grant and expire 48 months from the date of grant.

Unless otherwise stated, none of the transactions incorporated special terms and conditions and no guarantees were given or received.

Other related party transactions

During the period, the Company entered into the following transactions with related parties:

| | 2020 (\$) | 2019 (\$) |
|--------------------------------|--------------|--------------|
| Shareholders | | |
| Interest expenses | 58,336 | 66,807 |
| Companies under common control | | |
| Revenues | | |
| Rent | | 7,200 |
| Expenses | | |
| Administrative expenses | | 137,029 |
| Financial expenses | | 78,736 |

PROPOSED TRANSACTIONS

As at the date of this MD&A there are no proposed transactions.

COMMITMENTS

The Company leases office space with a minimum rental payment of \$7,000 per month for a 12 month term.

ASSESSMENT OF COVID-19 IMPACT ON BUSINESS

In March 2020 the World Health Organization declared COVID-19 a global pandemic. To this date, the contagious disease outbreak has spread to every part of the world, has forced the authorities of virtually every country to impose severe containment measure effectively creating a widespread shutdown, and adversely affected the global economy.

On April 7th, 2020, NuRAN announced that, as a provider of telecommunications infrastructure, the Company operates commercial activities considered essential to the population and the economy, and therefore has been able to maintain most of its operations throughout the period. In order to protect its employees from the risk of being exposed to the virus and to slow its propagation, following the guidelines of public health, all except a few employees have been working from home since March 16th, and will continue to do so for as long as social distancing measures imposed by the government remain in place. During this time, the Company continues to support the operation of mobile operators and to develop its set of infrastructure solutions. Since a large portion of the development is based on software, no major disruption has occurred. NuRAN has experienced supply chain challenges due to exceptional merchandise import and export measures taken by governments in reaction to the pandemic. Those measures have since been lifted or relaxed, allowing the Company to resume business which had been temporarily hindered. This situation has affected the delivery of certain milestones associated to the Marshall Islands contract, which created execution delays of approximately three months. The global situation may cause other disruptions which could affect the Company's ability to deliver its backlog. NuRAN has taken measures to mitigate the risk of such occurrences and minimize the impacts. The Company also announced that some of its plans to connect its mobile infrastructure solutions to the core network of African mobile operators had incurred delays due to COVID-19. Of the two projects impacted, one has resumed at the beginning of June, while the other is yet to resume.

In March 2020, the government of Canada has announced an emergency wage subsidy as a relief measure to all Canadian companies being affected by the pandemic. The program provides a subsidy of 75% of employee wages for up to 24 weeks, retroactive from March 15th, 2020, to August 29th, 2020.

While it is impossible at this stage to accurately predict the impact that COVID-19 may have on NuRAN's business in the future, based on its own assessment and its customer's assessments, none of the expected business and plans are currently foreseen to be adversely affected.

The pandemic and its consequential shutdown have highlighted the importance of connectivity throughout society, but especially for the underserved. The increased awareness may play favorably for the Company given it may stimulate connectivity projects, through government actions as an example.

ACCOUNTING ESTIMATES AND JUDGEMENTS

The preparation of these consolidated financial statements requires management to make judgements and estimates that affect the reported amounts of assets and liabilities at the date of the consolidated financial statements and reported amounts of expenses during the reporting period. Actual outcomes could differ from these judgments and estimates. The consolidated financial statements include judgments and estimates which, by their nature, are uncertain. The impacts of such judgments and estimates are pervasive throughout the consolidated financial statements and may require accounting adjustments based on future occurrences. Revisions to accounting estimates are recognized in the period in which the estimate is revised and also in future periods when the revision affects both current and future periods.

Significant assumptions about the future and other sources of judgments and estimates that management has made at the end of the reporting period, that could result in a material adjustment to the carrying amounts of assets and liabilities, in the event that actual results differ from assumptions made, relate to, but are not limited to, the following:

Allowance for Bad Debts

The Company establishes an appropriate provision for uncollectible or doubtful accounts. Estimates of recoverable amounts are based on management's best estimate of a customer's ability to settle its obligations, and actual amounts received may be affected by various factors, including industry conditions and changes in individual customer financial conditions. To the extent that actual losses on uncollectible accounts differ from those estimated in the Company's provision, both accounts receivable and net earnings will be affected.

Functional Currency

In deciding the functional currency of the parent and its subsidiary, company management considered the currency that mainly influences sales and the cost of providing goods and services in each jurisdiction in which the Company operates. The Company also considered secondary indicators including the currency in which funds from financing activities are denominated, the currency in which funds are retained and whether the activities of the subsidiaries are carried out as an extension of the Company or if they are carried out with a degree of autonomy.

Provisions for Inventory

Management makes estimates of the future customer demand for the Company's products when establishing appropriate provisions for inventory. In making these estimates, management considers product life of inventory and the profitability of recent sales of inventory. In many cases, product sold by the Company turns over quickly and inventory on-hand values are lower, thus reducing the risk of material misstatement. Management ensures that systems are in place to highlight and properly value inventory that may be approaching "best before" dates. To the extent that actual losses on inventory differ from those estimated, both inventory and net earnings will be affected.

CRITICAL ACCOUNTING POLICIES

Financial Instruments

The Company classifies its financial assets as fair value through profit or loss ("FVTPL"). The classification depends on the purpose for which the financial assets were acquired. Management determines the classification of financial assets at recognition.

Fair value through profit or loss

Financial assets and liabilities are classified as FVTPL when the financial asset or liability is held-for-trading or it is designated as FVTPL. A financial asset is classified as FVTPL when it has been acquired principally for the purpose of selling in the near future; it is a part of an identified portfolio of financial instruments that the Company manages and has an actual pattern of short-term profit-taking or if it is a derivative that is not designated and effective as a hedging instrument. Upon initial recognition, attributable transaction costs are recognized in profit or loss when incurred. Financial instruments at FVTPL are measured at fair value, and changes therein are recognized in profit or loss. Cash is included in this category of financial assets.

Fair value hierarchy

Fair value measurements of financial instruments are required to be classified using a fair value hierarchy that reflects the significance of inputs used in making the measurements. The levels of the fair value hierarchy are defined as follows:

Level 1 - Quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2 - Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly.

Level 3 - Inputs for assets or liabilities that are not based on observable market data.

SHARE CAPITALIssued

The company has 19,228,976 common shares issued and outstanding as of February 28th, 2021. There are no securities of any other class issued and outstanding.

Share Purchase Options

The Company has 1,453,400 stock options as at February 28th, 2021.

The following is a summary of stock options outstanding as at February 28th, 2021.

| Exercise price | Options outstanding | | Options exercisable | |
|----------------|---------------------|---|---------------------|---|
| | Number | Weighted average contractual life (years) | Number | Weighted average contractual life (years) |
| \$1.50 | 60,200 | 2.81 | 60,200 | 2.81 |
| \$2.35 | 1,225,000 | 4.83 | 950,000 | 4.95 |
| \$2.50 | 74,000 | 0.96 | 74,000 | 0.96 |
| \$5.00 | 93,200 | 0.37 | 93,200 | 0.37 |
| \$7.50 | 1,000 | 1.12 | 1,000 | 1.12 |
| | 1,453,400 | | 1,178,400 | |

Warrants

The following is a summary of warrants outstanding, as at February 28th, 2021.

| Exercise price | Warrants outstanding | | Warrants exercisable | |
|----------------|----------------------|---|----------------------|---|
| | Number | Weighted average contractual life (years) | Number | Weighted average contractual life (years) |
| \$0.50 | 1,000,000 | 1.29 | | |
| \$1.25 | 247,200 | 1.99 | 247,200 | 1.99 |
| \$1.50 | 12,000 | 0.47 | 12,000 | 0.47 |
| \$1.75 | 425,469 | 1.47 | 425,469 | 1.47 |
| \$2.50 | 129,840 | 0.46 | 129,840 | 0.46 |
| \$3.75 | 221,400 | 0.04 | 221,400 | 0.04 |
| | 2,035,909 | | 1,035,909 | |

CONVERTIBLE DEBENTURE

As of October 31st, 2020, the Company has a secured convertible debenture of \$2,835,000 outstanding, maturing on August 23rd, 2020 and having a conversion price of \$1.25 per common share.

On February 26th, 2020, the Company announced it had entered into a forbearance agreement in connection with these debentures pursuant to which the majority lenders agreed to waive any default in payment of principal and interest payments due and payable as of this date, and continue to forbear from declaring or acting upon, or exercising related rights or remedies under such creditor's financing agreement until August 23rd, 2020, the conversion price has been decreased to \$1.25 per common share.

In July 2020, the debenture holders requested the conversion of debentures totalling a par value of \$255,000 in common shares of the Company.

As at October 31st, 2020, the Company is in material default of its senior secured convertible debentures, including \$825,821 in unpaid interest classified in Trade and Other Payables. As a result, the convertible debentures are recorded as a current liability and the fair value of the conversion options of an amount of \$478,109 has been reclassified in contributed surplus. Discussions were advancing with the Secured Creditors and were expected to result in a Forbearance Agreement (see Note 33 – Post Reporting Date Events in the Consolidated Financial Statements).

RISKS AND UNCERTAINTIES

Additional Financing Requirements and Access to Capital

NuRAN's ability to realize its assets and discharge its liabilities depends on the continued financial support of its shareholders, the growth and profitability of the future sales of its products and services and from obtaining additional financing.

Sales Risks

NuRAN's sales efforts target large corporations that require sophisticated data capture and production execution systems to collect and analyze data relating to various operational activities. NuRAN spends significant time and resources educating prospective customers about the features and benefits of its solutions. NuRAN's sales cycle usually ranges from 3 to 18 months and sales delays could cause its operating results to vary. NuRAN balances this risk by continuously assessing the condition of its sales pipeline and making the appropriate adjustments as far in advance as possible. NuRAN's strategy also includes a comprehensive program to build and improve relationships with long-standing customers to better understand needs and proactively manage incoming business levels effectively.

Foreign Exchange Risk

NuRAN's sales are mainly outside Canada and are generally conducted in currencies other than the Canadian dollar, while a majority of our product research and development expenses, integration services, customer support costs and administrative expenses are in Canadian dollars. Fluctuations in the value of foreign currencies relative to the Canadian dollar can negatively, or positively, impact NuRAN's financial results.

Outsourcing Risk

NuRAN outsources the manufacture of its products to third parties. If they do not properly manufacture the products or cannot meet the needs in a timely manner, NuRAN may be unable to fulfill its product delivery obligations and its costs may increase, and its revenue and margins could be negatively impacted. The Company's reliance on third-party manufacturers subjects it to a number of risks, including the absence of guaranteed manufacturing capacity and the inability to control the amount of time and resources devoted to the manufacture of products. To mitigate this dependency, the Company has relationships with two separate manufacturing service providers and maintain contact with additional alternative suppliers in case the primary manufacturing sources should be disrupted.

Competition

NuRAN must contend with strong international competition. Therefore, there are no guarantees that NuRAN can maintain its competitive position. However, its unique mix of products combined with NaaS service delivery, and skilled human resources give it a competitive edge in several markets.

Availability and Cost of Qualified Professionals

The high-technology industry's strong growth as well as the Company's move into the NaaS model increased the demand for qualified staff. So far, NuRAN has successfully met its needs for personnel. NuRAN benefits from its location in Quebec City, which gives it access to a large pool of engineering resources but has also pursued hiring

internationally. Aware that the satisfaction of its customers is directly tied to the quality of its employees, NuRAN continues to take measures to attract and retain well-qualified professionals from a global talent pool.

Ability to Develop and Expand Mix of Products and Services to Keep Pace with Demand and Technological Trends

NuRAN uses several means to remain on the cutting edge and to meet its customers' changing needs—steady investments in product development and improvements, business alliances with major industry suppliers and partners, ongoing training of its personnel and occasional business acquisitions that provide it with specific know-how.

Protection of Intellectual Property

To protect its intellectual property, NuRAN relies on a series of patent and trademark laws, provisions respecting trade secrets, confidentiality protection measures, and various contracts. Regardless of all the efforts made to retain and protect its exclusive rights, third parties could attempt to copy aspects of its products or obtain information regarded as exclusive without authorization. There can be no assurance that the measures taken by NuRAN to protect its exclusive rights will be sufficient.

Dependence on Customers

NuRAN is currently dependent on a limited number of customers for the sale of its products and services. If one or several of these customers should cease doing business with NuRAN for any reason or should reduce or defer their current or planned product purchases, NuRAN's operating results and financial position could be adversely affected.

International Operations Risk

Our international operations are subject to various economic, political and other uncertainties that could adversely affect our business. Since 2014, approximately 40% of our sales were derived from sales outside the United States, and economic conditions in the countries and regions in which we operate significantly affect our profitability and growth prospects. The following risks, associated with doing business internationally, could adversely affect our business, financial condition and results of operations:

- regional or country specific economic downturns;
- the capacity of the Company to deliver in a technical capacity and to import inventory to Africa at a reasonable cost;
- fluctuations in currency exchange rates between the Canadian dollar and the US dollar;
- complications in complying with a variety of foreign laws and regulations, including with respect to environmental matters, which may adversely affect our operations and ability to compete effectively in certain jurisdictions or regions;
- international political and trade issues and tensions;

- unexpected changes in regulatory requirements, up to and including the risk of nationalization or expropriation by foreign governments;
- higher tax rates and potentially adverse tax consequences including restrictions on repatriating earnings, adverse tax withholding requirements and double taxation;
- greater difficulties protecting our intellectual property;
- increased risk of litigation and other disputes with customers;
- fluctuations in our operating performance based on our geographic mix of sales;
- longer payment cycles and difficulty in collecting accounts receivable;
- costs and difficulties in integrating, staffing and managing international operations, especially in rapidly growing economies;
- transportation delays and interruptions;
- natural disasters and the greater difficulty in recovering from them in some of the foreign countries in which we operate;
- uncertainties arising from local business practices and cultural considerations;
- customs matter and changes in trade policy, tariff regulations or other trade restrictions; and
- national and international conflicts, including terrorist acts.

The percentage of our sales occurring outside of North America will increase over time largely due to increased activity in Africa (including the NaaS contracts in DRC and Cameroon), Central and South America and other emerging markets. The foregoing risks may be particularly acute in emerging markets, where our operations are subject to greater uncertainty due to increased volatility associated with the developing nature of the economic, legal and governmental systems of these countries. If we are unable to successfully manage the risks associated with expanding our global business or to adequately manage operational fluctuations, it could adversely affect our business, financial condition or results of operations.

Gross Margin May Not Be Sustainable

Our level of product gross margins may be adversely affected by numerous factors, including:

- Changes in customer, geographic, or product mix, including mix of configurations within each product group;
- Introduction of new products, including products with price-performance advantages;
- Our ability to reduce production costs;

- Entry into new markets or growth in lower margin markets, including markets with different pricing and cost structures, through acquisitions or internal development;
- Increases in material, labor or other manufacturing-related costs, which could be significant especially during periods of supply constraints;
- Excess inventory and inventory holding charges;
- Obsolescence charges;
- Changes in shipment volume;
- The timing of revenue recognition and revenue deferrals;
- Increased cost, loss of cost savings or dilution of savings due to changes in component pricing or charges incurred due to inventory holding periods if parts ordering does not correctly anticipate product demand or if the financial health of either contract manufacturers or suppliers deteriorates;
- Lower than expected benefits from value engineering;
- Increased price competition, including competitors from Asia, especially from China;
- Changes in distribution channels;
- Increased warranty costs;
- How well we execute on our strategy and operating plans implementing our new NaaS model.

Changes in service gross margin may result from various factors such as changes in the mix between technical support services and advanced services, as well as the timing of technical support service contract initiations and renewals and the addition of personnel and other resources to support higher levels of service business in future periods.

Competition Risks

The markets in which we compete are characterized by rapid change, converging technologies, and a migration to networking and communications solutions that offer relative advantages. These market factors represent a competitive threat to us. We compete with numerous vendors in each product category. The overall number of our competitors providing niche product solutions may increase. Also, the identity and composition of competitors may change as we increase our activity in newer product categories such as data center and collaboration and in our priorities. As we continue to expand globally, we may see new competition in different geographic regions. In particular, we have experienced price-focused competition from competitors in Africa and the U.S., and we anticipate this will continue.

Some of our competitors compete across many of our product lines, while others are primarily focused in a specific product area. Barriers to entry are relatively low, and new ventures to create products that do or could compete with our products are regularly formed. In addition, some of our competitors may have greater resources, including technical and engineering resources, than we do. As we expand into new markets, we will

face competition not only from our existing competitors but also from other competitors, including existing companies with strong technological, marketing, and sales positions in those markets. Companies with whom we have strategic alliances in some areas may be competitors in other areas, and in our view this trend may increase. Companies that are strategic alliance partners in some areas of our business may acquire or form alliances with our competitors, thereby reducing their business with us.

The principal competitive factors in the markets in which we presently compete and may compete in the future include:

- The ability to provide a broad range of networking and communications products and services;
- Product performance;
- The ability to introduce new products, including products with price-performance advantages;
- The ability to reduce production costs;
- The ability to provide value-added features such as security, reliability, and investment protection;
- Conformance to standards;
- Market presence;
- The ability to obtain financing on reasonable terms;
- Disruptive technology shifts and new business models.

We also face competition from customers to which we license or supply technology and suppliers from which we transfer technology. The inherent nature of networking requires interoperability. As such, we must cooperate and at the same time compete with many companies. Any inability to effectively manage these complicated relationships with customers, suppliers, and strategic alliance partners could have a material adverse effect on our business, operating results, and financial condition and accordingly affect our chances of success. The loss of one or more significant suppliers or a reduction in significant volume from such suppliers.

Intellectual Property Risks

We generally rely on patents, copyrights, trademarks, and trade secret laws to establish and maintain proprietary rights in our technology and products. Although we have been issued patents, there can be no assurance that any of these patents or other proprietary rights will not be challenged, invalidated, or circumvented or that our rights will, in fact, provide competitive advantages to us. Furthermore, many key aspects of networking technology are governed by industrywide standards, which are usable by all market entrants. In addition, there can be no assurance that patents will be issued from pending applications or that claims allowed on any patents will be sufficiently broad to protect our technology. In addition, the laws of some foreign countries may not protect our proprietary rights to the same extent as do the laws of the United States. The outcome of any actions taken in these foreign countries may be different than if such actions were determined under the laws of the United States. Although we are not dependent on any individual patents or group of patents for particular segments of the business for which we compete, if we are unable to protect our proprietary rights to the totality of the features (including aspects of products protected other than by patent

rights) in a market, we may find ourselves at a competitive disadvantage to others who need not incur the substantial expense, time, and effort required to create innovative products that have enabled us to be successful.

Third parties, including customers, have in the past and may in the future assert claims or initiate litigation related to exclusive patent, copyright, trademark, and other intellectual property rights to technologies and related standards that are relevant to us. These assertions have increased over time as a result of our growth and the general increase in the pace of patent claims assertions, particularly in the United States. Because of the existence of a large number of patents in the networking field, the secrecy of some pending patents, and the rapid rate of issuance of new patents, it is not economically practical or even possible to determine in advance whether a product or any of its components infringes or will infringe on the patent rights of others. The asserted claims and/or initiated litigation can include claims against us or our manufacturers, suppliers, or customers, alleging infringement of their proprietary rights with respect to our existing or future products or components of those products. Regardless of the merit of these claims, they can be time-consuming, result in costly litigation and diversion of technical and management personnel, or require us to develop a non-infringing technology or enter into license agreements. Where claims are made by customers, resistance even to unmeritorious claims could damage customer relationships. There can be no assurance that licenses will be available on acceptable terms and conditions, if at all, or that our indemnification by our suppliers will be adequate to cover our costs if a claim were brought directly against us or our customers. Furthermore, because of the potential for high court awards that are not necessarily predictable, it is not unusual to find even arguably unmeritorious claims settled for significant amounts. If any infringement or other intellectual property claim made against us by any third party is successful, if we are required to indemnify a customer with respect to a claim against the customer, or if we fail to develop non-infringing technology or license the proprietary rights on commercially reasonable terms and conditions, our business, operating results, and financial condition could be materially and adversely affected. Our exposure to risks associated with the use of intellectual property may be increased as a result of acquisitions, as we have a lower level of visibility into the development process with respect to such technology or the care taken to safeguard against infringement risks. Further, in the past, third parties have made infringement and similar claims after we have acquired technology that had not been asserted prior to our acquisition.

Many of our products are designed to include software or other intellectual property licensed from third parties. It may be necessary in the future to seek or renew licenses relating to various aspects of these products. There can be no assurance that the necessary licenses would be available on acceptable terms, if at all. The inability to obtain certain licenses or other rights or to obtain such licenses or rights on favorable terms, or the need to engage in litigation regarding these matters, could have a material adverse effect on our business, operating results, and financial condition. Moreover, the inclusion in our products of software or other intellectual property licensed from third parties on a nonexclusive basis could limit our ability to protect our proprietary rights in our products.

Risks arising from the COVID-19 pandemic

The recent outbreak of COVID-19, which has been declared by the World Health Organization to be a pandemic, has spread across the globe and is impacting worldwide economic activity. A pandemic, including COVID-19, or other public health epidemic poses the risk that we or our employees, vendors, suppliers and other partners may be prevented from conducting normal business activities at full capacity for an indefinite period of time, including due to spread of disease among our employees, vendors, suppliers and other partners, or due to shutdowns that may be or have been requested or mandated by governmental authorities. The COVID-19 pandemic and mitigation measures are currently having and may continue to have an adverse impact on global

economic conditions, which has had and may have an adverse effect on our business and financial condition, including on our ability to obtain financing on terms acceptable to us, if at all. The extent to which the COVID-19 pandemic continues to impact our results will depend on future developments that are highly uncertain and cannot be predicted at this time, including new information that may emerge concerning the severity of the virus and the actions to contain its impact.