

An ESG Investment

Diverting e-waste from landfill into
valuable commodities,

Gold, Silver, Palladium, Copper, Zinc, Tin, Lead,
Aluminum, Steel and others.

URBAN METALS INTERNATIONAL

Raleigh, North Carolina, USA.



FORWARD LOOKING STATEMENTS

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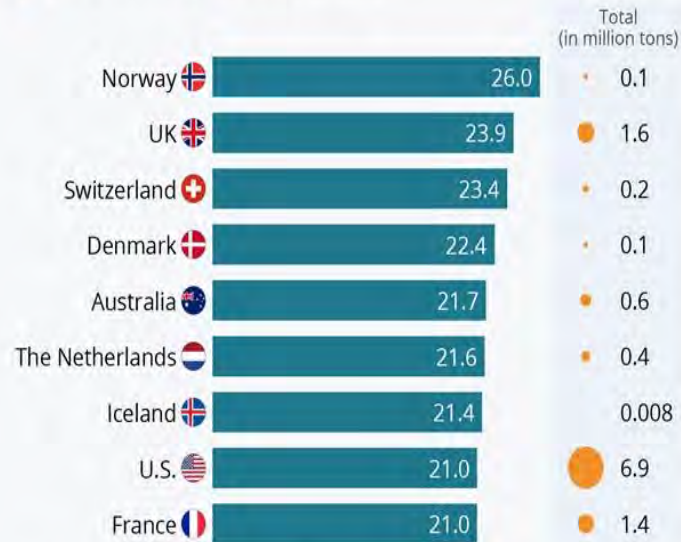
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The Countries Producing the Most E-Waste

The countries which produced the most e-waste per capita in 2019



Source: Global E-Waste Monitor 2020



statista

WHERE DOES E-WASTE COME FROM?

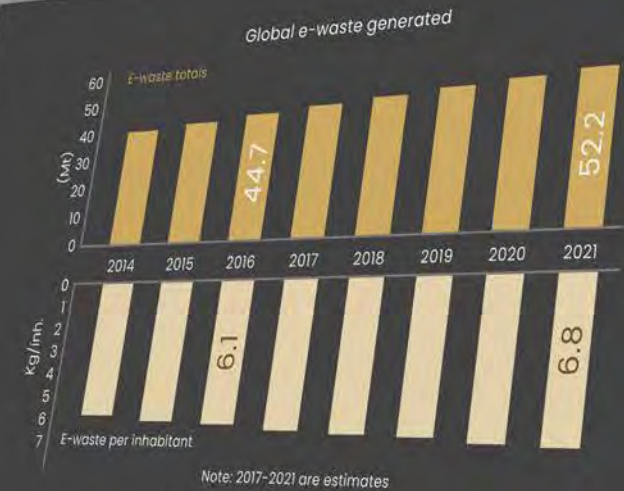
GLOBAL E-WASTE, A RAPIDLY GROWING BUT LARGELY IGNORED RESOURCE

Globally, **53 million** tonnes of waste electronics (WEEE) produced in 2019 –
Equivalent of 4500 Eiffel Towers.

US Volume is projected to grow at **>300,000 tonnes year on year** CGR to **33%** by 2030

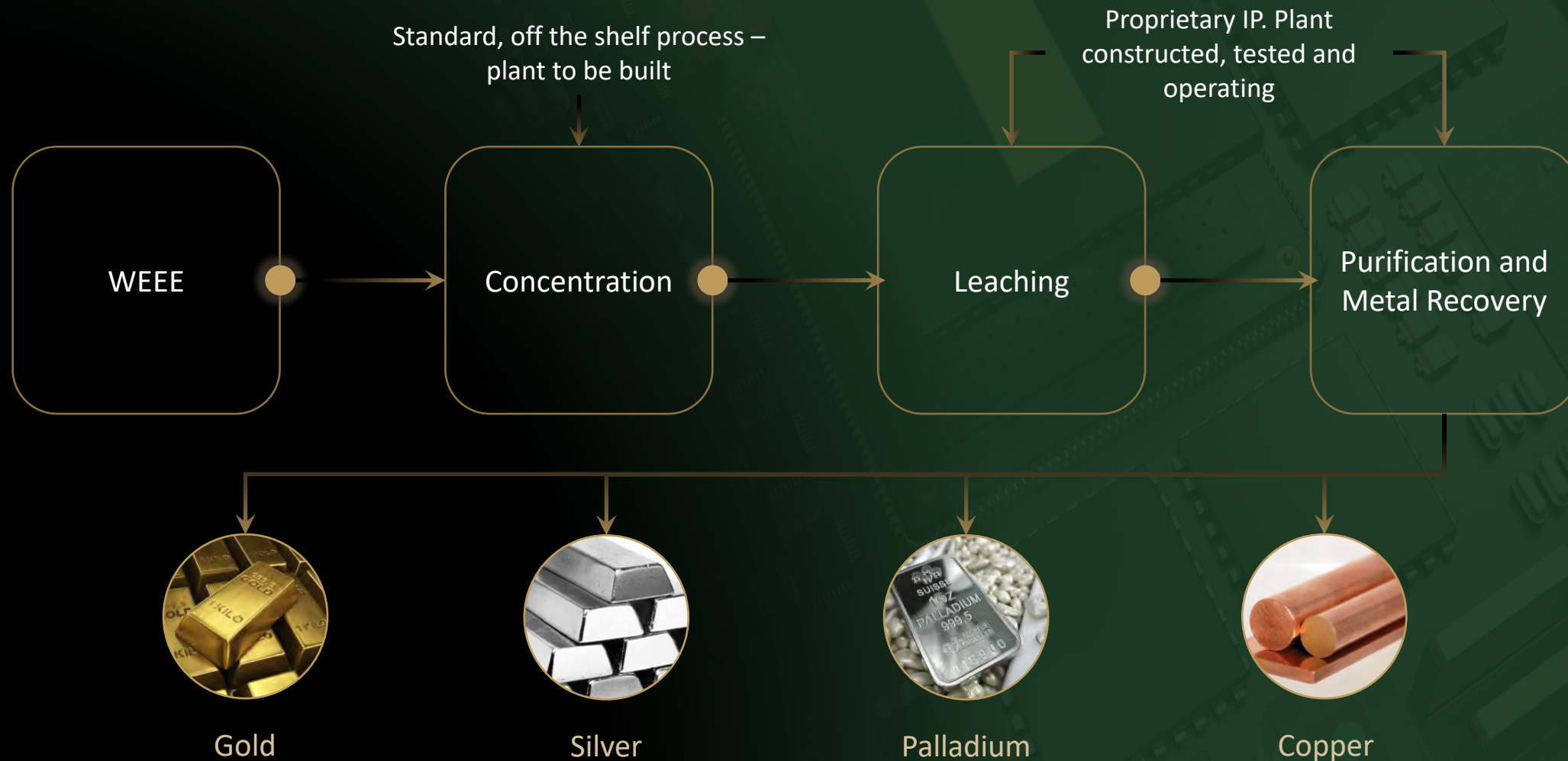
Only **35%** of US e-waste is recycled.
EcoWatch 2021

Source: Global E-waste Monitor 2017



UMI is focused on end-of-life revival of e-waste materials as a resource for production of “responsible metals”

FLWSHEET OF HYDROMETALLURGICAL EXTRACTION OF METALS FROM WEEE



AN ESG FRIENDLY WAY TO INVEST IN PRECIOUS METALS.



UMI Business Model

● Buy Scrap from Recyclers

- High grade raw materials
- Contracts to manage risk

● Proven Technology

- Mostly mining tested
- Proprietary chemistry

● Ship Concentrate

● Board level ESG committee alongside Compensation and Audit

WHY URBAN METALS INTERNATIONAL?

Value is captured from e-waste by recovering, recycling and refining: gold, palladium, silver, copper, tin, aluminum, lead, zinc, steel and potentially 30 other metals from WEEE (waste electrical and electronic equipment)

- Zero, emissions, Zero waste discharge – No environmental impact

- Existing supply channels

- Abundant raw material and growing supply

- Fully built and proven metals refinery

- Proprietary processing IP



Refining Plant in North Carolina

RECOVERED METAL VALUE PER TONNE OF PCBs IN US\$



GOLD	SILVER	PALLADIUM	TIN	COPPER
@ 136gpt	@ 619gpt	@ 60gpt	@ 1.41%	@ 15%
\$8,116	\$499	\$4,258	\$408	\$1,050

On average, 1 tonne PCB's yield 7.5 Gold Equivalent Ounces (GEO) - minimum grade.

Total gold in US e-waste each year > 3,000,000 ounces

- Scrap PCBs contain 50 - 70 times more precious metals than traditional mined ores
- USA produces 166,000 tonnes per month of scrap printed circuit boards (PCB).

Source: Global E-waste Monitor

Metal values assumes the following metal prices: (Au-\$1850 per oz, Ag-\$25 per oz, Pd- \$2,200pr oz, Cu-\$7,000 per tonne, Sn \$29,000 per tonne.) Metal grades are subject to variability. Values are estimates only.

KEY INVESTMENT FEATURES



100% Clean Revenue From
Recycled Electronic Waste
Zero Carbon Emissions and
Effluent Discharge



Superior ESG Model



Fully Built Refinery;
Using Proprietary Processing
IP



Raw Material Grades, 50 -70
Times Greater Than
Traditional Mined Ores



Non-diminishing Resource



Fully Permitted



Low Capex Business Model



No Geological, Geotechnical
or Political Risk

UMI 5 YEAR GROWTH STRATEGY



Refining plant Raleigh N.C.

Year 1 Concentrator plant – USA (Raleigh, NC)

Year 2 Concentrator plant -USA (Northeastern)

Year 3 Concentrator plant- USA (Western)

Year 4 Concentrator Plant -EU (Malta)

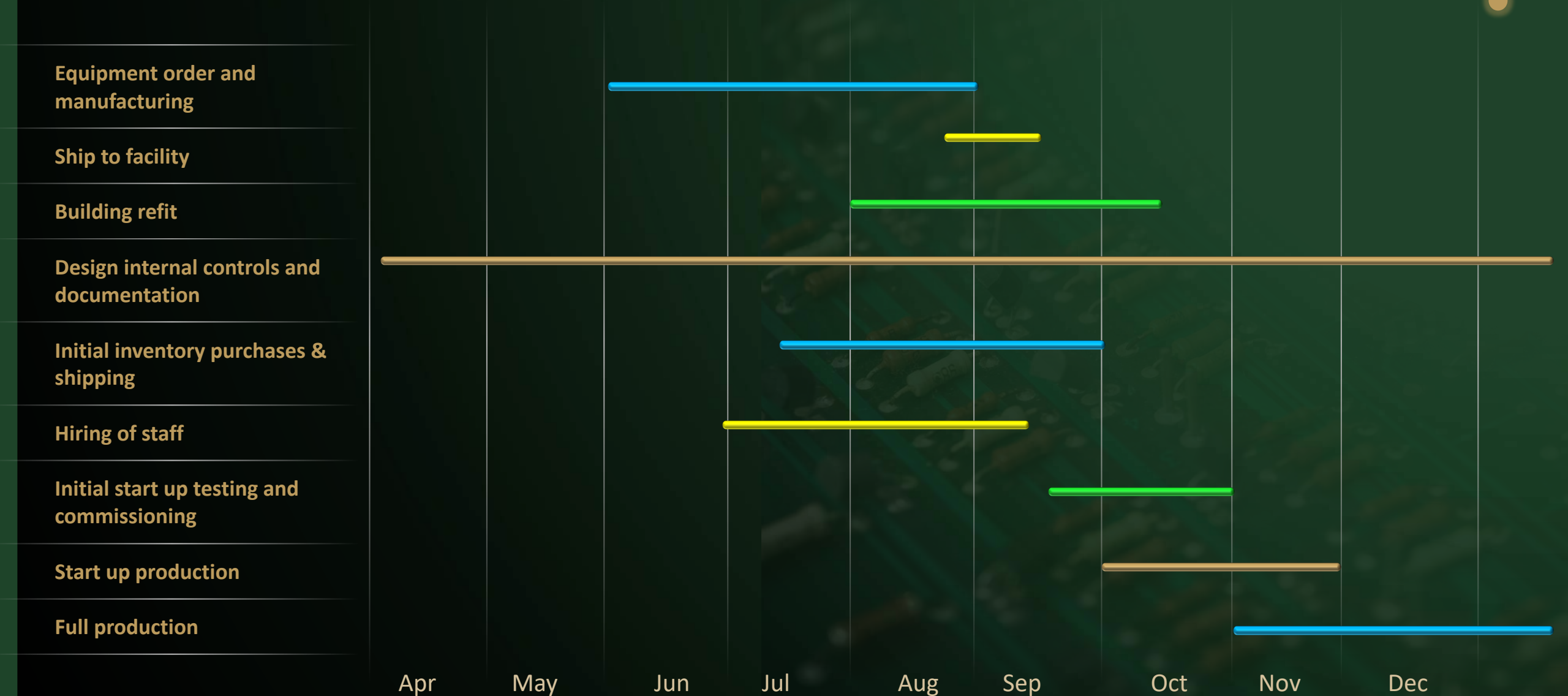
4 Concentrator plants, located close to supply

- Raleigh, Europe, Western USA, Northeastern USA
- Collect E-waste for local processing into concentrate
- Each concentrator produces up to 1,260 tonnes of concentrate per year
- 22 tonnes of raw PCBs are concentrated to 3.6 tonnes of concentrate per day, per plant

Refining plant – Raleigh NC

- Operating and tested
- Fully permitted
- Refining Capacity 1,260 tonnes of concentrate per year
- Anticipated daily yield:
 - 94.7 oz gold/day
 - 432 oz silver/day
 - 48 oz palladium/day
 - 3273 kg Copper/day
 - Annual yield is 65,500 GEO
 - Fully scalable

TIMELINE TO PRODUCTION 2021



1ST 12 MONTHS OVERVIEW

The Big Picture

Process capacity 700 tonnes/month PCBs
(Operating 2 shifts, 24hr/day, 350 days per year)

8,400 tons/year

Generated revenue

\$ 120,000,000/year

Investment Required

Equipment

\$1,600,000

Working Capital (Inventory, expenses and operations)

\$4,900,000

Contingency

\$ 250,000

\$6,750,000

Monthly Production

Gold

3,002 tr oz

Silver

12,607 tr oz

Palladium

1,421 tr oz

Copper

94,924 kg

Tin

8,903 kg

5,458 Gold Equivalent
Ounces/month

65,500 GEO pa

ANNUAL OPERATING METRICS

Raw Material input	8,400 tpa
Projected metal value per ton of raw material	\$13,942
Production Gold Equivalent Ounces	65,500 oz/pa
Annual Revenue	\$120,000,000
Cash cost per GEO	\$1,350
Projected earnings year 1	\$20,000,000 pa

URBAN METALS INTERNATIONAL

The people who make it happen



Mark Zorko

Chairman & CFO

Technology Industry, Independent Director



Howard Glicksman

CTO & Director

Chemist - Engelhard and Dupont



Darrell Campanella

Plant Manager

Chemist - Recycling and precious metals production



Basil Botha

CEO & Director

Mining, Exploration, Entrepreneur



Jeremy Blum

Independent Director

Banking Industry



Davin Gordon

Gold Concierge

15 years management experience in the scrap and recycling industry



Michael Hepworth

CMO & Director

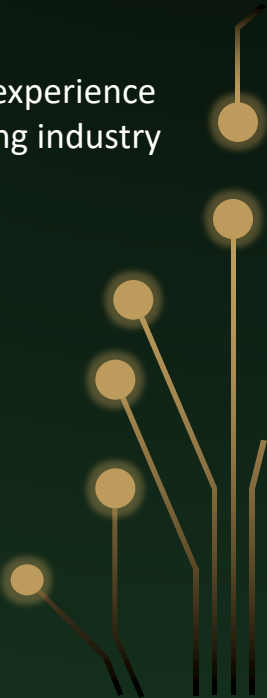
Mining, Exploration, Entrepreneur



Peter Dielwart

GM & COO

Biochemist, Finance and Entrepreneur



CAPITAL STRUCTURE

Jan 2021

# of Shares O/S (Pre-production issue price US\$0.15)	21,868,905
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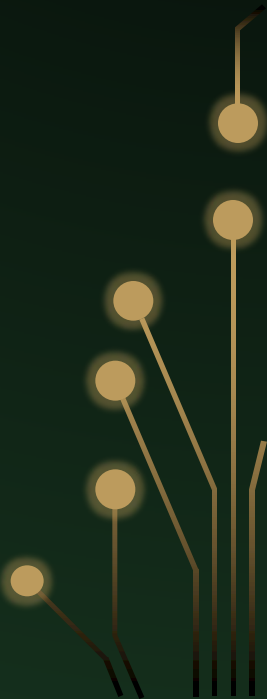
Warrants @ \$.15/share	10,724,349
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Warrants @ \$.30/share	400,000
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Fully Diluted Shares	32,993,254
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57%

Directors/Management own



USE OF PROCEEDS



Working Capital	\$3,600,000
G&A	\$300,000
Buildings, Equipment, Leasehold Improvements and Security	\$1,600,000
Professional services and software	\$300,000
Marketing and supply agreements	\$150,000
Licenses and consulting fees	\$250,000
Travel	\$200,000
Training	\$100,000
Contingency	\$250,000
	<i>US \$6,750,000</i>

CONTACT DETAILS



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