

# Q3/2020 Shareholder Update

September 30<sup>th</sup>, 2020



GACW is pleased to provide its third quarter update for shareholders and other interested parties.

## Third Quarter Summary:

COVID-19 continues to create problems for businesses, and GACW has not been immune from the impact. Decisions from global miners to test our 994 loader wheels are being postponed, however GACW is still confident it will secure

1-2 trials prior to year end, with actual field testing to commence in 2021. We are also encouraged by the strong precious metals market and we expect mining budget increases in 2021, leading to a more favourable environment to test the Air Suspension Wheel (ASW). Additional testing of the ASW is paramount to verify the long-term engineering and physics-based claims.

The main areas of progress during Q3 were:

- Completion of 994-wheel design, computer simulation, finite element analysis (FEA) and improved engineering to strengthen wheel components. 992, 777, 785- and 793-wheels designs completed.
- Finalized costs for fabrication of 994 ready for manufacturing
- Distribution network and potential test sites





#### **ASW Design & Engineering**

The CAT 994 loader wheel, shown to the left, has been completed and ready to fabricate upon receipt of a Purchase Order. The company believes the 994 ASW will generate the best field-testing results and shortest timeline to fleet integration and revenue for the Company.

Loader wheels are configured with cast steel and rubber tread options (see below). All ASWs now have stronger lateral resisting collapsible structures

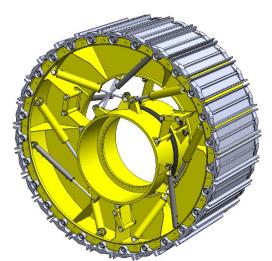
(from 0.5g to 1g). The engineers designed serrated shear transfer sleeves with collars around all bolts with Belleville springs to vibration proof the walls and treads. Cover plate (not shown) will be non-structural.

Shoes



#### Fabrication

As mentioned in our Q2 update, GACW has been



pursuing additional fabrication capacity and engineering expertise. GACW is pleased to announce OTR Wheel Engineering (OTRWE) has be added to our fabrication network. Founded in 1987 and based out of Rome, Georgia, OTRWE is a large producer of OTR rims and has 18 manufacturing facilities world-wide. OTRWE is collaborating in ASW's design and engineering. Their dedicated team of four (4) engineers is assisting GACW in ensuring the most durable and reliable wheel is built. OTRWE also provides us the necessary production capacity (to accommodate large



orders) and the possibility to market ASW at a very attractive prices to the end user, making the value proposition even more appealing.

## **Distribution Network & Potential Test Sites**

Our distributor network and internal VP Global Sales are reporting that as of September 30<sup>th</sup>, thirteen mining companies are contemplating testing the ASWs in 2021, as follows:

- Canada 3
- Australia 4
- México 2

- South Africa 2
- India 1
- Brazil 1



CAT 776D Belly Loader

Brownfield, GACW's Australian distributor is in advanced discussions with a Tier 1 miner to test the 777 (33.00R51) or 785 (27.00R49) ASWs on a CAT 776D Belly Loader (left). The loader requires ten (10) wheels. The miner has "indicated" that if they run a successful test of the ASWs, they could purchase up to <u>200 wheels</u> for one (1) mine. Additionally, Brownfield is

negotiating with the Australian Government for a large subsidy and commitment from a Tier 1 miner to test the 793-wheel.

It is also worth mentioning that GACW has entered the Mining Lab Challenge in Brazil, sponsored by Nexa Resources, and out of 600 entrants, GACW is excited to be on the short list of 66 companies, of which 33 will be selected to receive funding for their technology. If selected, GACW will be required to present virtually its technology in late November 2020.

Thank you again for your support and patience as we move the ASW closer to a commercially ready technology with incredible market potential.

Very sincerely,



<u>"Andrew Thomson"</u> Andrew Thomson Vice Chairman

## About GACW

GACW is a private engineering company based in Phoenix, Arizona. The company has invented, designed, developed, and field tested its main product, the *Air Suspension Wheel* (ASW) a revolutionary non-pneumatic mechanical wheel for use in the Off-The-

Road sector. Several other verticals for the technology exist, but the company has seen the biggest interest and need from the mining industry. The main reason for this is that ASW solves a major issue for global miners – tire overheating on long distance hauls. Moreover, conveyors belts and rail systems, a possible solution, come at a staggering expense to miners and require constant maintenance. The ASW is a real and viable solution.

The Company is led by Zoltan Kemeny, PhD., a prolific inventor, and holds diplomas in structural dynamics engineering, seismology, and architecture. Zoltan has written and co-written over 250 patents in various fields of expertise.

GACW has a highly qualified management team with extensive experience in engineering and design, capital and financial markets, and global marketing and sales.