

SafeAI[®]

ACCELERATING THE TRANSITION TO
AUTONOMOUS MINING AND CONSTRUCTION

SafeAI Retrofits Heavy Equipment for Autonomous Applications

Existing Fleet is Retrofitted With Sensors & Hardware

Cameras LiDARs GNSS, IMU Radars AI Compute Platform Drive-By-Wire

OFF THE SHELF HARDWARE



PROPRIETARY SOFTWARE

Obstacle Detection Obstacle Avoidance Autonomous Loading Autonomous Hauling Autonomous Dumping

Automate Repetitive Task

- Entire Load-Haul-Dump Cycle or Loading / Hauling / Dumping
- Compacting
- Rolling

FLEET MANAGEMENT SYSTEM - INTEGRATION

OEM Agnostic



Automate Mixed Fleet

- Rollers
- Dozers
- Light Vehicles (LV)
- Skid-Steer

Experience Matters for Deploying Reliable and Scalable Autonomous Solutions

FOUNDED

September 2017

INVESTORS

Backed by financial and strategic Investors



MANAGEMENT



Bibhrajit Halder, Ph.D.
Founder & CEO



Grant Moy
Head of Operations



Paresh Nagda
Chief Product Officer



Brenton Welford
VP of Business Development



OUR ENGINEERING TEAM BRINGS EXPERIENCE FROM



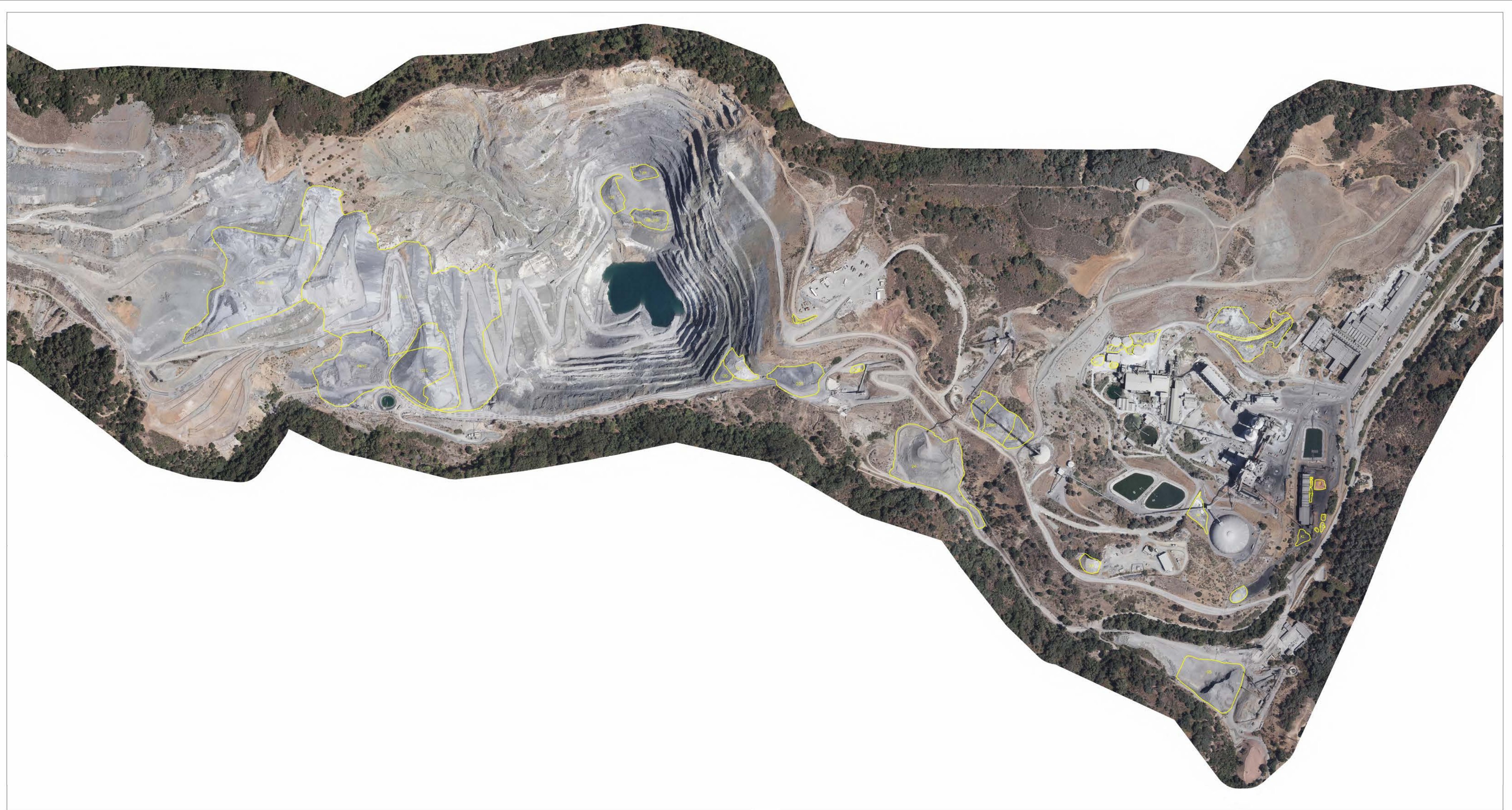


Joint Collaboration With Obayashi Corporation To Create Future of Autonomous Construction

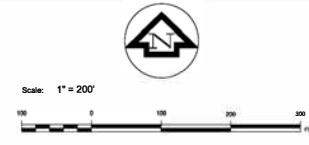


CAT 725 ARTICULATED DUMP TRUCK

Operating at Heidelberg Quarry in Silicon Valley



Date of Photography: August 3, 2020
Scale of Photography: 1:500
Horizontal Datum: California Coordinate System of 1983 (NAD83), Zone 3
Vertical Datum: North American Vertical Datum of 1988 (NAVD88)
Ground Control Survey by: TSWI, Inc.



Permanent Quarry
for
Lehigh Southwest Cement Co.
Provided by
TOWILL SYSTEMS
San Francisco, CA 94103-0008



Safety & Maintenance Alerts

Custom Analytics

Improved Project Planning & Execution

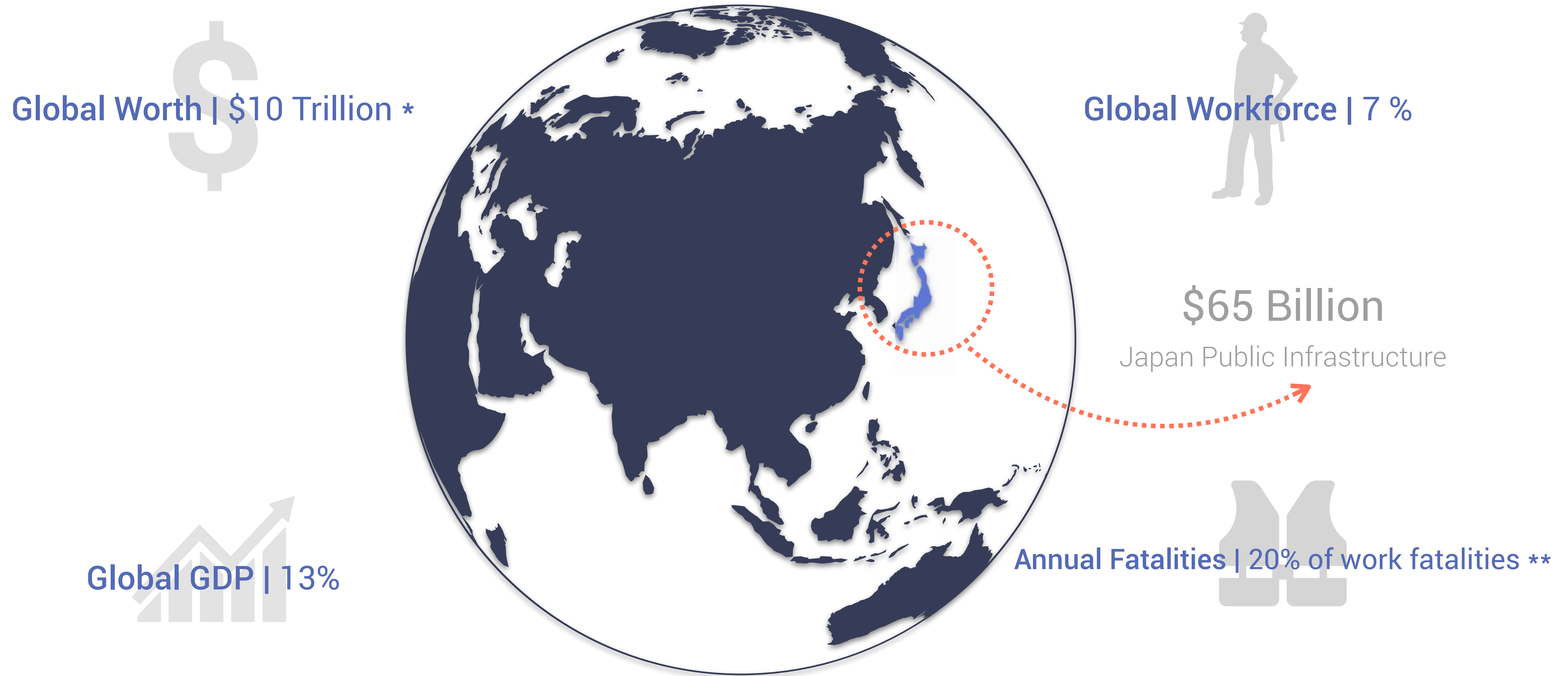
Round The Clock Execution

Real-Time Location & Progress

Route Selection



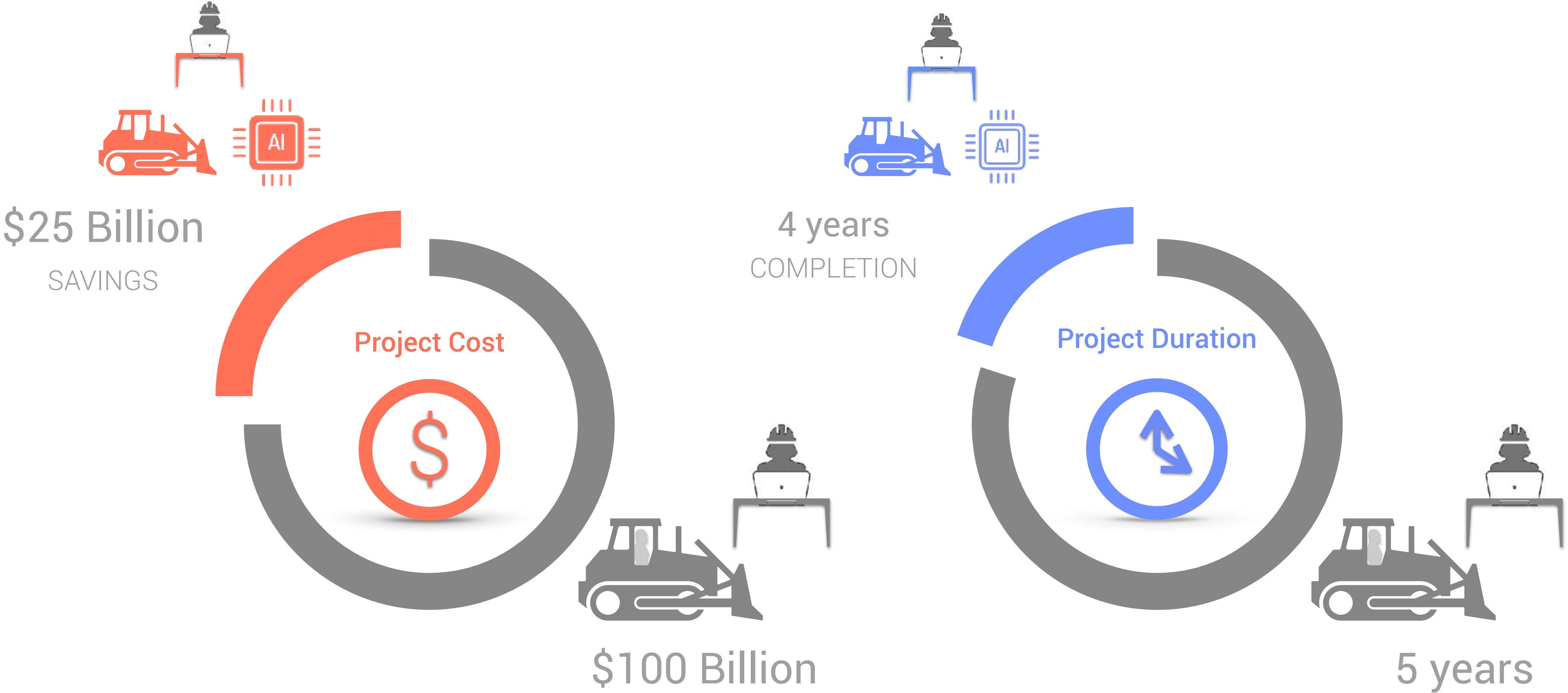
The Global Infrastructure Construction TAM Is \$600B+ Annually



* Data from Medium : Beatrice Aliprandi

** Data from OSHA

Autonomous and Connected Construction Will Reduce 25% Operating Cost **and** Improve 20% Productivity



Autonomous Since

.....
Sept 20218

Total Autonomous Working Hours

.....
Over 1000 hr

Disengagement Free Cycle

.....
1000+ LHD Cycle

BOBCAT SKID STEER

FORD F150

Autonomous Since

.....
July 2019

Total Autonomous Working Hours

.....
Over 500 Hr

Disengagement Free LHD Cycle

.....
400+ LHD Cycle


Autonomous Since

.....
Jan 2021

Operational Ready

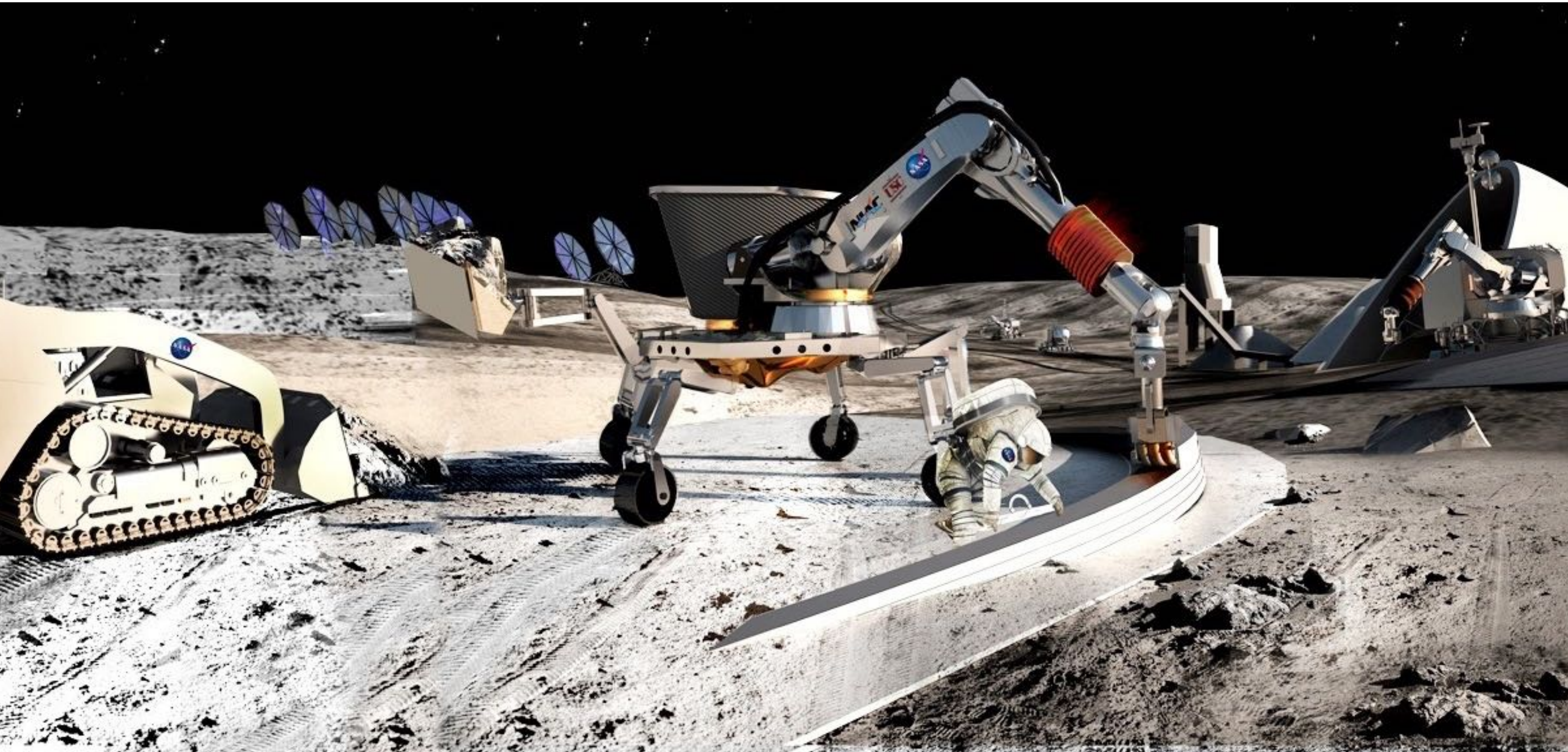
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Aug 2021

CATERPILLAR 725 SafeAI

An aerial photograph of a large concrete dam. The dam is curved and spans across a deep blue reservoir. To the left of the dam, there is a rocky, greyish-brown area. To the right, a lush green forest covers the surrounding hills. A winding road is visible on the right side of the image. The text "A World Where Autonomous Equipments works 24/7 and Keep Human Safe" is overlaid in white on the right side of the image.

A World Where Autonomous Equipments works 24/7 and Keep Human Safe

Think of Autonomous Equipment To Complete a Construction Task Without any Human Intervention



- ▶ A group of autonomous equipment work together to get a job done
- ▶ No human oversight or intervention
- ▶ Autonomous equipment learn new skill as they build

* Image from NASA Archive

PARTNERSHIP IS AT THE HEART OF SAFEAI VISION

- ▶ Continue to create challenges/events that brings together stakeholders that wouldn't necessarily have self-assembled to solve a difficult problem
- ▶ Help SafeAI identify tech-forward stakeholders (large organizations) from past experience that can engage with startups

Thank you.

CONTACT

Bibhrajit Halder, Ph.D.
Founder & CEO
SafeAI, Inc.

Cell: +1.219.669.4325 | E: bibhrajit@safeai.ai

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