



**SOURCE
ENERGY
SERVICES**

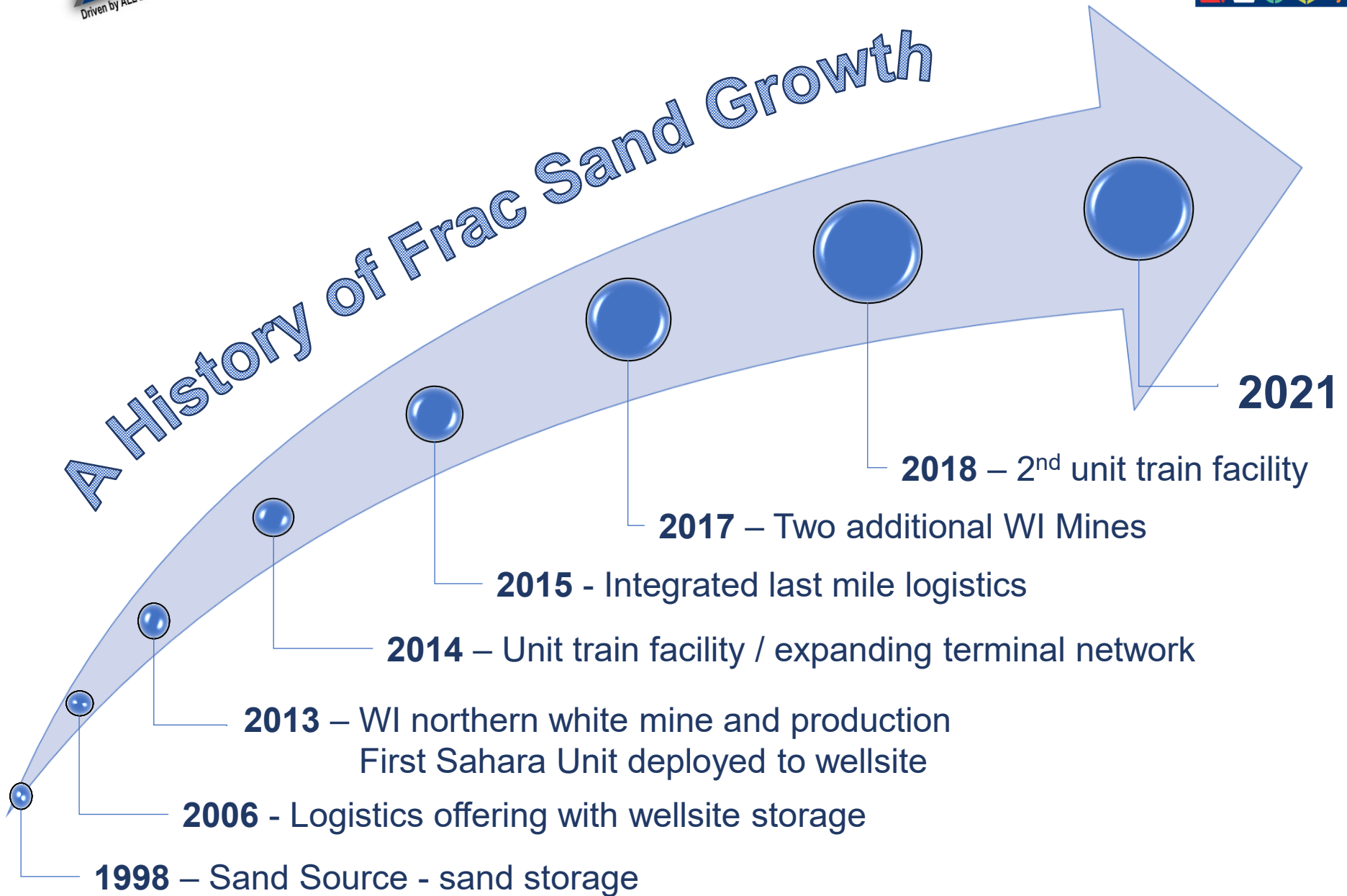
Source Energy's Solution to Wellsite Silica Dust



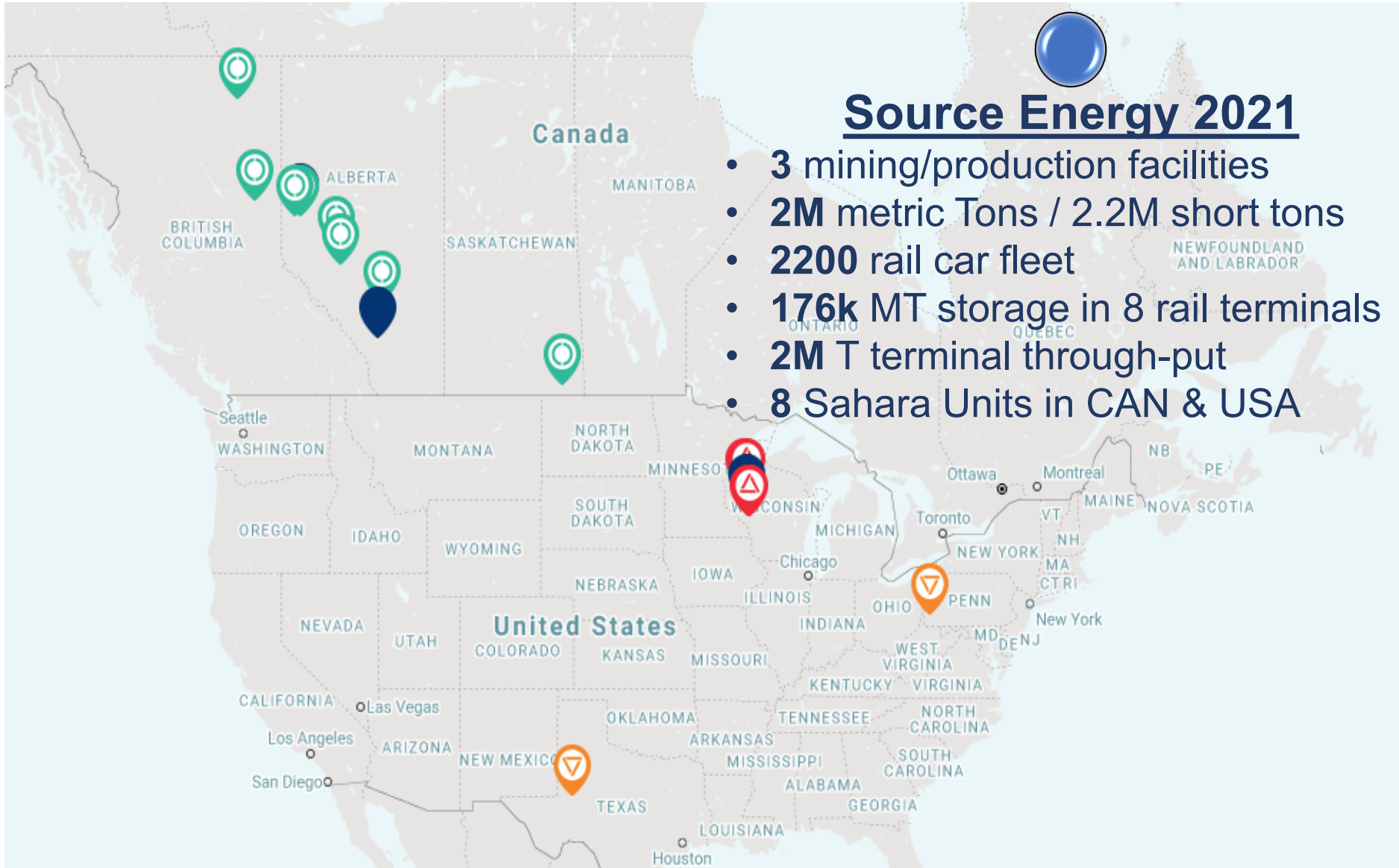
Source Energy Services



A History of Frac Sand Growth



Source Energy Services



Source Energy 2021

- 3 mining/production facilities
- 2M metric Tons / 2.2M short tons
- 2200 rail car fleet
- 176k MT storage in 8 rail terminals
- 2M T terminal through-put
- 8 Sahara Units in CAN & USA

Silica Exposed Employee Protection

- Health Monitoring
 - Pulmonary Function test
 - Chest X-rays
 - Past exposure surveys
 - Respiratory fit testing
- Silica Code of Practises / Protection Plans



Silica Dust Control Measures



Production

- Mining & Wash Plant



- Wet Product
- Limited employee exposure
- Heavy Equipment filters
- Road dust suppression



Production

- Dry Plant & Rail Load Out





Production

- Dry Plant & Rail Load Out



Silica Dust Control Measures



Production

- Engineering improvements
 - Dust collectors
 - Pick up Points
 - Central/Mobile vac System
 - Wet Auger
 - Mistlers
 - Dust Hoppers
 - Third party cleaning



Silica Dust Control Measures

Terminals

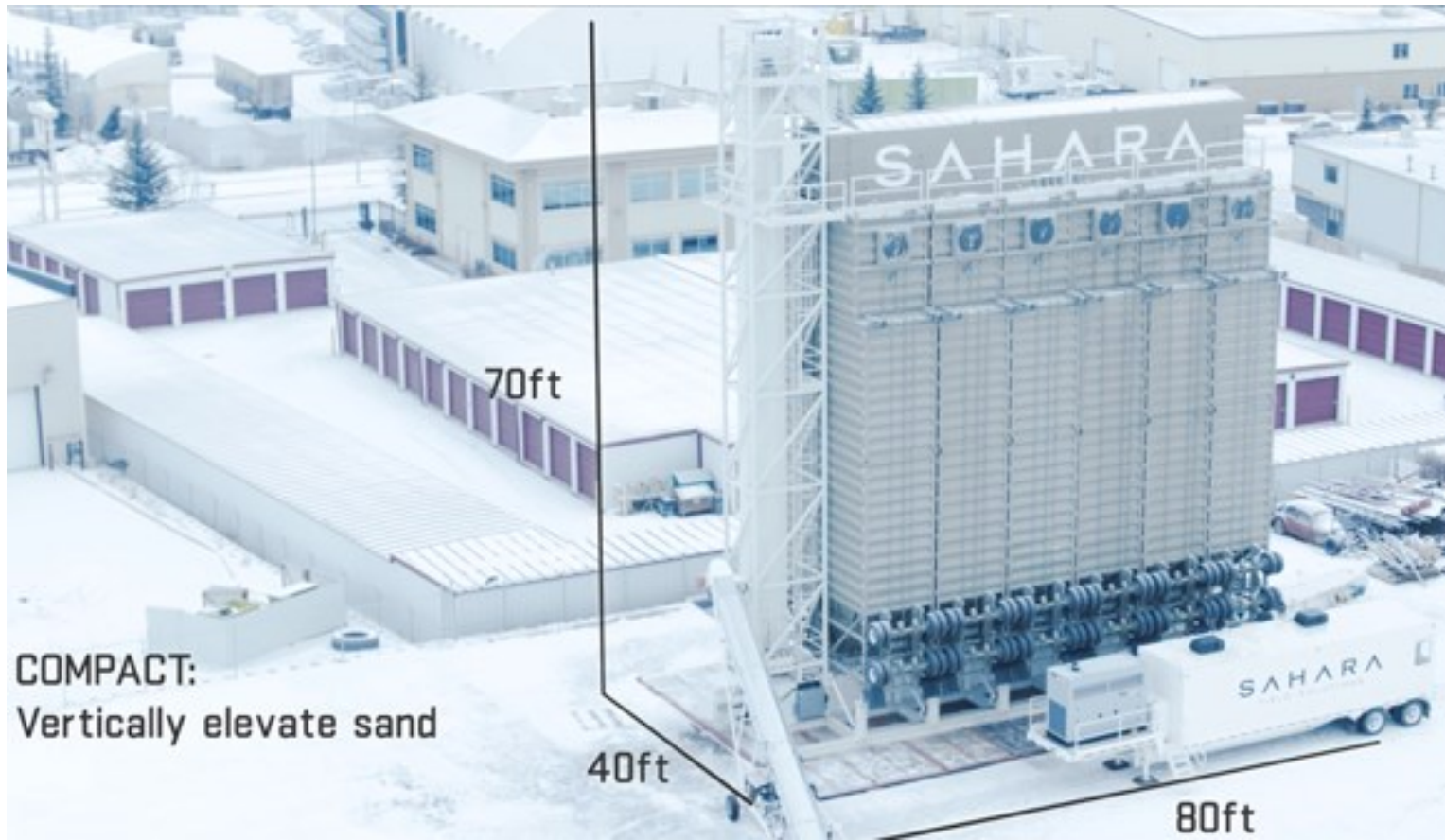
- Administrative/PPE
- Restricted areas
- HE cab filters
- Automation





Field Solutions - Sahara

- Engineered to reduce Wellsite Dust





Source Energy Services



Field Solutions - Sahara

- Engineered to reduce Wellsite Dust

Silica Testing Results:

Industry PEL (mg/M3)

AB OHS/WS BC = 0.025

US OSHA = 0.050

Sahara Unit :

Driver Over = 0.024

Control Panel = 0.021

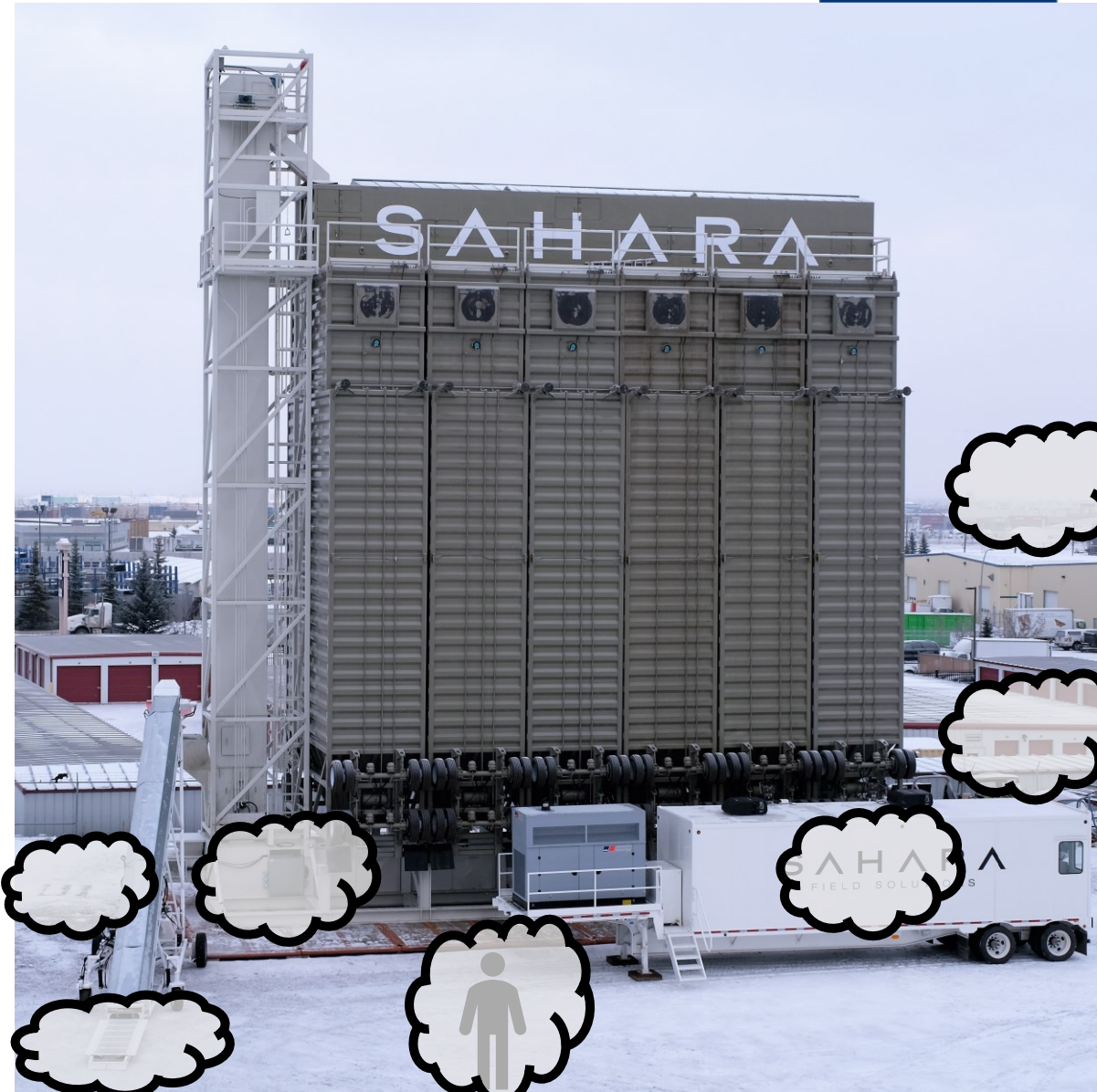
Bucket Elevator = 0.008

Stinger = 0.029

Dog House = 0.007

Down Wind = NIL

Operators = 0.030



* 100 mesh sand day



Field Solutions - Sahara

- Continuing to seek out improvements to remove PPE/Admin requirements

Decon Booth



Driver Over



Blender drop point



Questions & Comments

