



Embarc Completes Successful Public Demonstration of Emergency Vehicle Interaction Capability with Texas Law Enforcement Agencies

August 4, 2022

- Company collaborates with Texas Department of Public Safety and Travis County Sheriff's Office to simulate real-world scenarios on Texas public highways
- Successful demonstration is an industry-first, marking completion of next milestone on Embarc capabilities roadmap and bringing the Embarc Driver closer to commercialization

SAN FRANCISCO, Aug. 04, 2022 (GLOBE NEWSWIRE) -- [Embarc Trucks, Inc.](#) (Nasdaq: EMBK, "Embarc"), a leading developer of autonomous technology for the trucking industry, today announced the completion of a public demonstration of its emergency vehicle interaction capability. Working closely with the Texas Department of Public Safety ("Texas DPS") and the Travis County Sheriff's Office ("TCSO"), Embarc developed the capability for Embarc-powered trucks to identify and stop for law enforcement vehicles in situations such as traffic stops, and built communication protocols and standard operating procedures between autonomous trucks and law enforcement officers. This represents the first-ever public demonstration of an autonomous truck being pulled over by law enforcement and participating in a routine traffic stop on a public highway. A video of the capability in action can be viewed on Embarc's YouTube channel [here](#).

On Embarc's technical capabilities roadmap (see attached graphic), which details the 16 capabilities required to commercially deploy autonomous trucks in the US Sunbelt, the emergency vehicle interaction capability represents the next milestone achieved by the company. With the completion of this successful public demonstration, Embarc has now achieved 12 technical milestones on its roadmap, marking another major step towards commercial deployment of its technology.

"The ability to engage safely in emergency vehicle interactions is necessary to operate an autonomous vehicle on public roads," said Emily Warren, Head of Public Policy at Embarc Trucks. "Law enforcement always needs to be able to stop a commercial vehicle – autonomous or not – to ensure compliance with the law. This capability was designed to work seamlessly within existing law enforcement workflows, without requiring new training or technology investment by first responders."

Embarc's emergency vehicle interaction capability is an engineering breakthrough for autonomous trucking with two key components:

- First, Embarc's engineering team built the technical functionality for the capability. This included training Embarc-powered trucks to identify emergency vehicles via lights and other cues, and then respond accordingly by pulling over safely onto highway shoulders.
- Second, Embarc developed an interaction procedure with input from law enforcement that can enable any law enforcement officer to safely stop, approach, and receive information from an autonomous truck intuitively and without any additional equipment. When commercially deployed, this effort may include outfitting Embarc trucks with clear visual cues and information to signal to law enforcement and other first responders that an Embarc-powered truck is an autonomous vehicle and has come to a safe stop with no risk of restarting unexpectedly. Embarc's externally accessible lockbox, containing information such as registration and bills of lading, as well as a toll-free number to contact an Embarc Guardian support technician, are also included in the company's plans to assist law enforcement officers as they perform roadside traffic stops.

Together, these features represent a comprehensive process for Embarc-powered trucks to comply with law enforcement requests, just like a human-driven truck would respond in similar situations.

To develop this capability, Embarc, TCSO, and Texas DPS executed comprehensive data collection and testing from April to June that included closed-course activity at the Texas A&M University RELLIS Campus test track as well as public road demonstrations. During Embarc's

Status screen



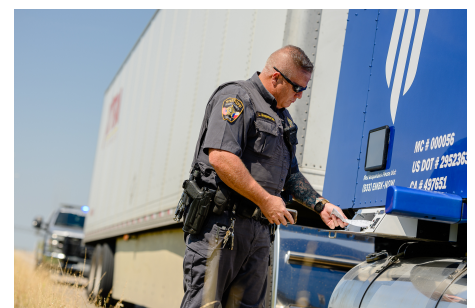
Example of status screen indicating autonomous truck is safe to approach after stopping on the highway shoulder.

Documentation



Example of a law enforcement officer reviewing autonomous truck documentation obtained via lockbox.

Lockbox



Example of a law enforcement officer opening lockbox.

Pull over

industry-first demonstration, which took place in late June on Texas State Highway 130 near Austin, deputies from the TCSO's Commercial Vehicle Enforcement division followed an Embark-powered truck along a designated route and successfully completed a traffic stop of the Embark truck. A deputy was able to confirm the truck was safe to approach via an external status display on the side of the truck, then walked through the procedure of accessing the truck's documentation via an external lockbox, using a code that would be provided by a remote Embark Guardian support technician. The demonstration concluded after the deputy completed his traffic stop and followed the truck as it re-entered highway traffic. Embark published a white paper detailing this procedure and how it can be replicated in other jurisdictions. A link to the white paper is available [here](#).

About Embark

Embark Technology, Inc. (Nasdaq: EMBK) is an autonomous vehicle company building the software powering autonomous trucks, focused on improving the safety, efficiency, and sustainability of the nearly \$730 billion a year trucking market. Headquartered in San Francisco, CA since its founding in 2016, Embark is America's longest-running self-driving truck program and partners with some of the largest shippers and carriers in the nation.

Embark's mission is to realize a world where consumers pay less for the things they need, drivers stay close to the homes they cherish, and roads are safer for the people we love. To learn more about Embark, visit embarktrucks.com.

Contacts For Embark:

Media:

Misha Rindisbacher, press@embarktrucks.com

Investor Relations:

Bill Ong, investorrelations@embarktrucks.com

A video accompanying this announcement is available at <https://www.globenewswire.com/NewsRoom/AttachmentNg/e4235a5d-8a33-4222-be2d-12ed5c0c4624>

Photos accompanying this announcement are available at:

<https://www.globenewswire.com/NewsRoom/AttachmentNg/dd5f9e53-f4d7-4223-9c95-2709992fe6d9>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/273fad40-80fd-4d4a-a0e6-d1e36b475f9a>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/28813100-9eda-4117-bf99-441ddbfc473>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/f8e647aa-e949-4db6-8829-283fa2b2f00f>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/f24e5332-a612-4b34-a63a-df1a2d14b541>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/b0e46af1-1138-424f-8153-1c17d120a3e1>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/8f0075a9-b009-433b-b98c-d2a20debed26>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/eae26fb8-244d-4d79-ae8-e4bcbe29babc>

<https://www.globenewswire.com/NewsRoom/AttachmentNg/f0a4c912-9307-465b-9a8e-5e8ea4a85b63>



Law enforcement vehicle conducting pull over of an Embark-powered truck.

Prototype interaction features



Prototype law enforcement interaction features, including autonomous truck status display (top, currently off), support phone number decal, and compliance document lockbox.

Law enforcement officer



Example of a law enforcement officer approaching an Embark-powered truck.

Pull over



Law enforcement vehicle conducting pull over of an Embark-powered truck.

Capabilities Roadmap

Embark's Capabilities Roadmap

A 16-step measurable pathway to driver-out operations.



A 16-step measurable pathway to driver-out operations.

Pull over



Law enforcement vehicle conducting pull over of an Embark-powered truck.