

Autonomous Driving



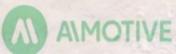
Autonomous driving is a very popular domain...

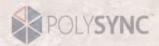




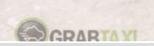


Velodyne





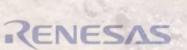


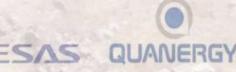


















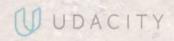
























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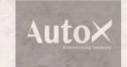






















Commercial use for defense technology Elbit Systems™ Agriculture Mining Firefighting Leisure Infrastructure Manufacturing

Driving in an open terrain environment





The way we do it





Traversability

Traversability is a key term in an open terrain driving.



Obtain terrain characteristics

Terrain geometry & physical characteristics effects traversability.



Deduce vehicle capabilities

Different vehicles has different traversability.



Routing complexity

In an open terrain there are endless maneuvering options constantly.



Teach a vehicle to drive

Driving millions of miles, on different platforms in different condition is not practical...



The way we do it - obtain terrain properties

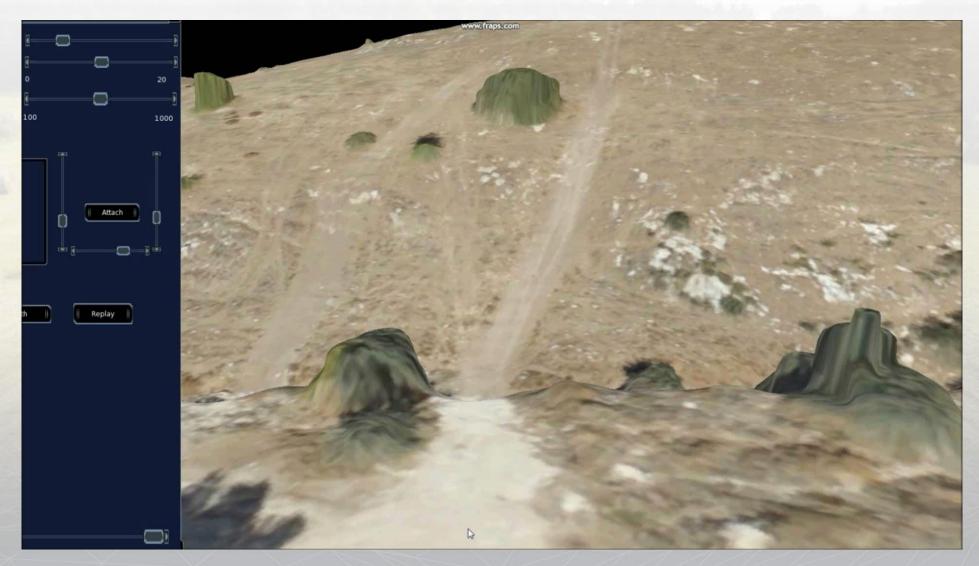






The way we do it - deduce vehicle capabilities





The way we do it – simulation environment





Conclusion Elbit Systems™ Maximize vehicle's maneuvering options Take it safely to it's limits Optimal route planning Driverless solutions

