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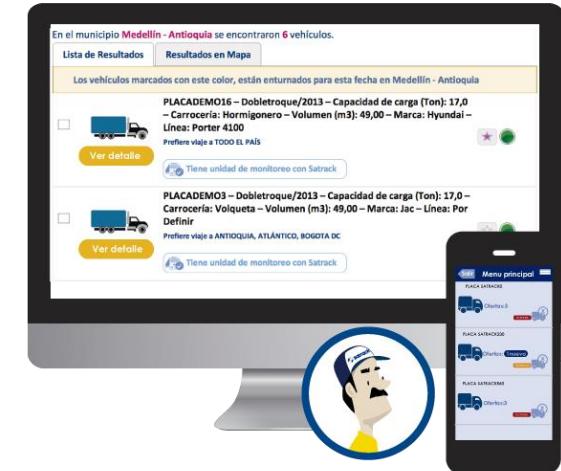
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The search for vehicles available for supply and demand of cargo and transport

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Presentation

1. Description of the problem

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Description of the problem

Travel Home

Return Home

Fuente: elchilero.com.mx, 2015

Fuente: decamiones.com, 2015

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General purpose

"Investigation of the technological panorama for the cargo and transport that allows to develop new tools for the decision making"

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Current Software

Platfoms	Consider vehicles currently not available but that may be available on the requested date	Consider the history of vehicle recurrence	Consider the preference of drivers	Consider the fuel consumption of a route	Vehicle monitoring	Good fulfillment of drivers	Consider driving habits	Consider vehicles to reach a destination
MaxCARGA	YES	YES	YES	YES	YES	YES	YES	YES
CARGAYA	NO	NO	NO	NO	YES	NO	NO	NO
SICARGO	NO	NO	NO	NO	NO	NO		NO
UIShip	YES	YES	YES	NO	YES	YES	NO	NO
MercaTras	YES	YES	YES	NO	NO	YES	NO	NO
Trans.EU	YES	YES	NO	NO	YES	YES	NO	
Timocom Soft	YES	YES	YES	NO	YES	YES	NO	NO
WTransnet	YES	YES	YES	NO	YES	YES	NO	NO
DeTransporte	YES	YES	YES	NO	YES	YES	NO	NO
Loads Today	YES	YES	YES	NO	YES	YES	NO	NO
Cargomatic	YES	YES	YES	NO	YES	YES	NO	NO
TrackerPath	YES	YES	YES	NO	YES	YES	NO	NO
TransFix	YES	YES	YES	NO	YES	YES	NO	NO
Kontainers	YES	YES	YES	NO	YES	YES	NO	NO
Convoy	YES	YES	YES	NO	YES	YES	NO	NO
Fleet Management	NO	NO	NO	YES	YES	NO	NO	NO
Geofencing,	NO	NO	NO	NO	YES	NO	NO	NO
Hybrid Cargo-Level Tracking System for Logistics	NO	NO	NO	NO	YES	NO	NO	NO
SWTRACK	NO	NO	NO	NO	YES	NO	NO	NO

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Conclusions

- To consider the vehicles ready to reach a search area, that is to say that they are less than 100 km from a city of origin, it will allow to include more vehicles available for loading merchandise and transport to other places in the country.

- Including the vehicles ready to arrive will allow to obtain benefits to the generating companies of transport and to the transporters, because it will minimize costs generated by lodging and feeding the drivers.

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Future research

From the evidence coming from each of the analyzed works, that show the several disadvantages, it is intended to develop an algorithm that allows these companies to search for vehicles in a city of origin to a destination city. This algorithm will contemplate routes used by vehicles, the efficiency of fuel consumption and transport times. This algorithm will use a database, which contains the emulated GPS positions of cargo vehicles, which will allow to determine different routes used and calculate the efficiency of fuel consumption with different types of cargo. As a result, it will show the vehicles with the best fuel efficiency.

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Any Questions?

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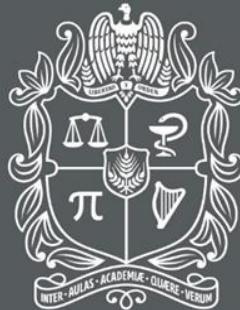
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