



# Mobile Laboratory

customs administration of the czech republic

por. Bc. Marek Martínek  
[marek.martinek@cs.mfcr.cz](mailto:marek.martinek@cs.mfcr.cz)

- Value of the truck and equipment:  
30 mil Kč (1,2 mil €)
- Start of field testing and using ML:  
Summer 2016
- Works under General Directorate of Customs

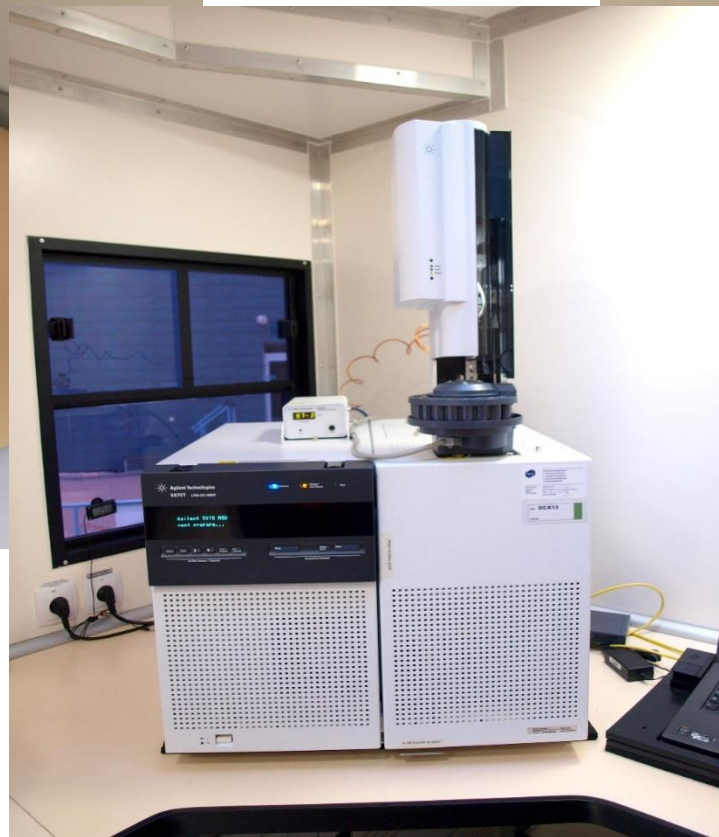








FTIR spectrometer



Gas chromatography with a  
mass spectrometer



X-ray fluorescence spectrometer

# Sampling unit

GENERÁLNÍ ŘEDITELSTVÍ CEL















# Uses of Mobile Laboratory

GENERÁLNÍ ŘEDITELSTVÍ CEL

**Analysis of mineral oils**

**Analysis of spirits, alcohol, distillates and other alcohol-containing products**

**Assessment of authenticity**

**Within the scope of its own activities of the Customs Administration of the Czech Republic**

**In cooperation with other bodies of state administration – Police of the Czech Republic, Czech trade inspection, Czech tax administration, Czech Agriculture and Food Inspection Authority**



# Devices for mobile analysis

GENERÁLNÍ ŘEDITELSTVÍ CEL



Raman spectrometer (FirstDefender)



X-Ray spectrometer (DELTA Olympus)



Infrared spectrometer (TruDefender)



Itemiser (Rapiscan)

# Devices for mobile analysis

GENERÁLNÍ ŘEDITELSTVÍ CEL





- January 2018
- Vysočina Region
- 104 l alcoholic beverages





- February 2019
- Hradec Králové Region
- 26 119l mineral oil





- May 2021
- Central Bohemia Region
- 73 containers
- around 100 000 l



# Thank you for your attention

Generální ředitelství cel  
(General Directorate of Customs)  
Budějovická 7  
Praha 4  
140 96  
[www.celnisprava.cz](http://www.celnisprava.cz)  
[podatelna@cs.mfcr.cz](mailto:podatelna@cs.mfcr.cz)