
Fleet Partners with Academia on Big Data

By: Keith T. Kerman

Last month DCAS finalized a Memorandum of Understanding (MOU) with the Wagner School of Public Service at New York University to partner on analytical projects using big data from our fleet telematics initiatives. This latest agreement follows similar recent partnerships between DCAS and the Data Institute at Columbia University and separately with the University Transportation Research Center (UTRC) at the City College of New York.



As part of Vision Zero, DCAS has implemented one of the largest fleet telematics efforts ever conducted in the public sector. DCAS is also working now on an update to the original technology.

Fleet uses this data to manage vehicle utilization, speed, hard braking, and to ensure vehicles operate within approved locations. Agencies can also use this data for operational purposes such as tracking work crew activities or keeping to assigned schedules.

With over 13,000 telematics units in place, the data produced is enormous, in the billions of records. This type of big data can be analyzed to identify all types of potential issues impacting safety, sustainability, street design, traffic flow, vehicle design and maintenance, idling, as well as other areas beyond the day to day scope of fleet.

DCAS has a tremendous partnership with the public automotive high schools and colleges and is excited to extend our educational work in the areas of data analysis and research. Each university brings to bear expertise in research, statistics, modelling, and analysis that can help us bring fleet management to new levels. We look forward to reporting on the results of this research in the months and years ahead. Thanks to DCAS Legal for their support on these agreements.

We also want to introduce you to the new format for the Fleet Newsletter and welcome new users of NYC Fleet Focus who are receiving the newsletter for the first time.

We also look forward to seeing you on **Thursday, May 17, at our 30th Annual NYC Fleet Show in Flushing Meadows Corona Park.**

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