

AMS/OFCM FORUM:
OBSERVING THE ENVIRONMENT FROM THE GROUND UP
March 8-9, 2016

Helios®-**BIG DATA IN THE NETWORK OF NETWORKS**

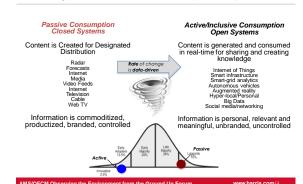
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Paradigm Shift in the Wx Enterprise



Traffic Camera or Underutilized Asset? HARRIS



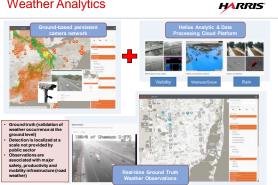
AMS/OFCM Observing the Environment from the Ground Up Forum



imaging and observation assets to create a more "intelligent" world.

AMS/OFCM Observing the Environment from the Ground Up Forum

Weather Analytics



Helios® Environmental Intelligence

Real-Time Ground Weather Intelligence:
Improves the accuracy of short term
weather forecasting using visual imagery
as validation of real time ground conditions
Immediate access to weather condition
analytics and visual data from aggregated
network of more than 35,000 video
surveillance cameras
Visually monitor, search, record, and
confirm weather conditions using real time
camera views
Analytics refreshed every 5 minutes to
provide up-to-date information with greater
than 90% accuracy
Analytics:

- than 90% accuracy

 Analytics:

 Helos® Visibility Analytic

 Real-time visibility condition changes caused by fog, heavy rain, heavy snow or even smoke

 Helios® Road Wetness Analytic

 Confirmation of precipitation affecting road surface
- surface
 Helios® Road Snow Analytic
 - Confirmation of snow impacting road conditions, indicating slower traffic and potentially dangerous areas along transportation routes