

Kodak's Analysis and Visualization Software HELPS IDENTIFY OIL SPILLS



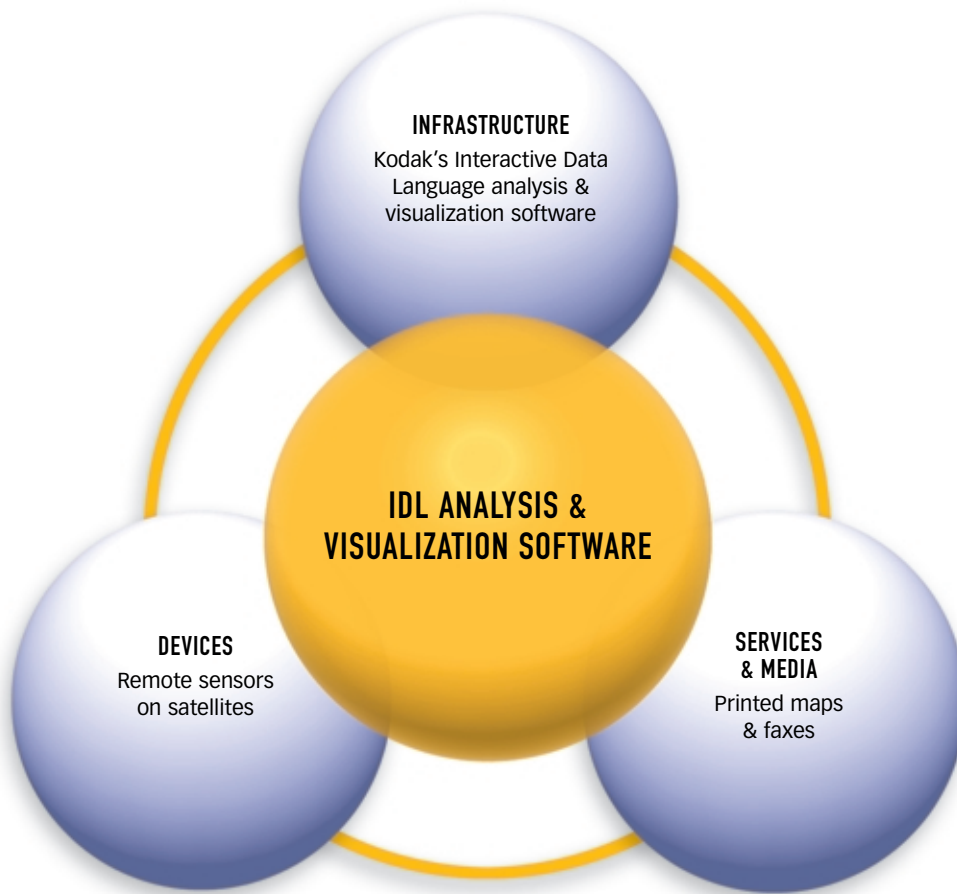
Oil spills can be electronically monitored 24 hours a day, whereas in the past, authorities could only monitor areas via visual inspection with the help of local authorities and usually only during the day.

OVERVIEW: BEFORE INFOIMAGING

Every day, thousands of gallons of oil are either dumped or spilled into the earth's waters, severely damaging coastal ecosystems, shoreline communities and, in some cases, economies. Efforts to identify and prosecute marine polluters have been hampered in the past by the inability to quickly and accurately identify polluting ships. But using Kodak's IDL (Interactive Data Language) analysis and visualization software, ESRIN (an arm of the European Space Agency) has developed an info-imaging application that uses satellite data to track and monitor oil pollution. In the past, authorities had to rely on eyewitness accounts and physical evidence, which is especially difficult to obtain at night, when most illegal "tank cleanings" happen.

INFOIMAGING IN ACTION

Here's how it works: A remote sensing device attached to a satellite gathers data on a specific body of water and downloads it onto an ESRIN computer. Kodak's IDL software (infrastructure) processes the data and creates a calibrated image of the area of water in question. Because clean water has different properties than an oil slick, researchers can visually interpret the image and discern if oil is present. All the information that has been retrieved and computed is stored in an archived file (infrastructure). Finally, an "oil spill alarm" fax (media and infrastructure), which contains all operative information to locate the polluter, is sent to local authorities, who can then verify the offense by boat or plane, produce an oil spill report identifying the polluter, force the offender to participate in a clean-up effort or pursue legal avenues if necessary.



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INFOIMAGING'S IMPACT

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- Oil spills can be electronically monitored 24 hours a day, whereas in the past, authorities could only monitor areas via visual inspection with the help of local authorities and usually only during the day.

IDL and other analysis and visualization software, such as the ENVI (Environment for Visualizing Images) software, are from Research Systems, Inc., a wholly owned Kodak subsidiary.

**For more information on IDL and ENVI,
go to: www.kodak.com/go/rsi**

For more information about infoimaging, go to:
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