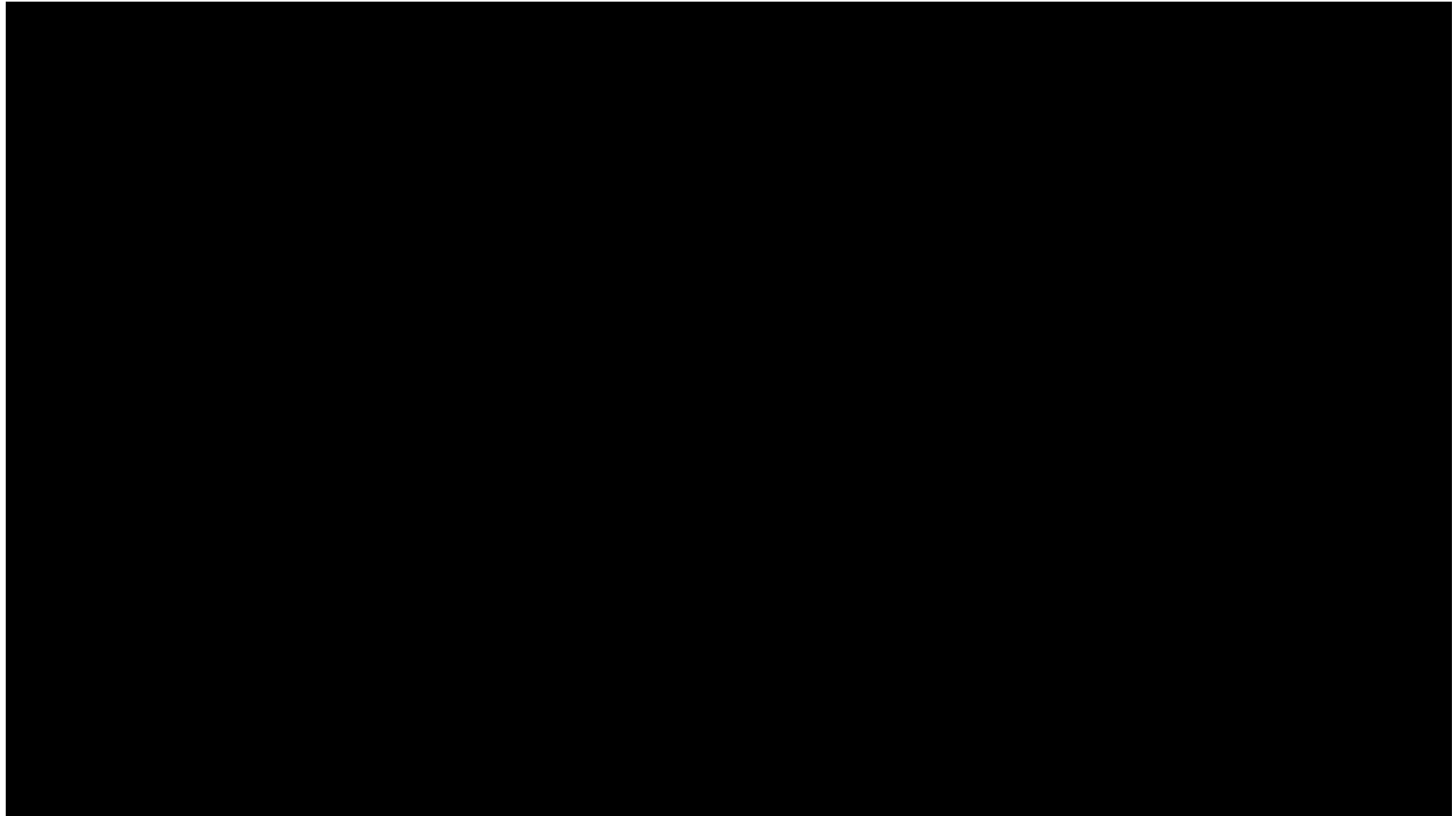

The Power of Video Analytics for leak detection and security applications using thermal cameras

Prof. Wael Badawy, P.Eng.

President and Founder

Video Introduction



What We Do

*Intelliview turns
video into
knowledge*



The Journey

1998 The development of HASM a Ph.D. research at the U. of Louisiana

2000 The Lab for Integrated Video Systems at the U. of Calgary.

2001 ASRA fund to commercialise video platform for right of the way

2003 U of Calgary Spin out.

2004 – 2008 pre commercialisation product activities

2008 – 2010 early stage commercialisation activities

2010 – 2013 focus and business growth

2013 – 2014 major market players acquisition



Awards

- 2013, Alberta Venture Magazine, recognized as a leader of one of the 25 most innovative organizations and which setup the standard of innovation in Alberta.
- 2012, honored with the Manning Award by the Southern Alberta Manning Chapter
- 2012, named as the Top 50 Fast Growing Canadian Companies
- 2011, Canadian Advanced Technology Alliance, the Celestica Award for Technology Commercialization
- 2011, Finalist, PricewaterhouseCoopers Innovator of the Year
- 2010, Honored with the Standard Council of Canada, Award of Excellence
- 2010, Finalist, Royal Bank of Canada, Business of the Year.
- 2009, honored and named as Microsoft's Canadian Innovator Program.

Leak Detection Example Clips

Diesel Leak at 50 feet



Propane Leak at 50 feet

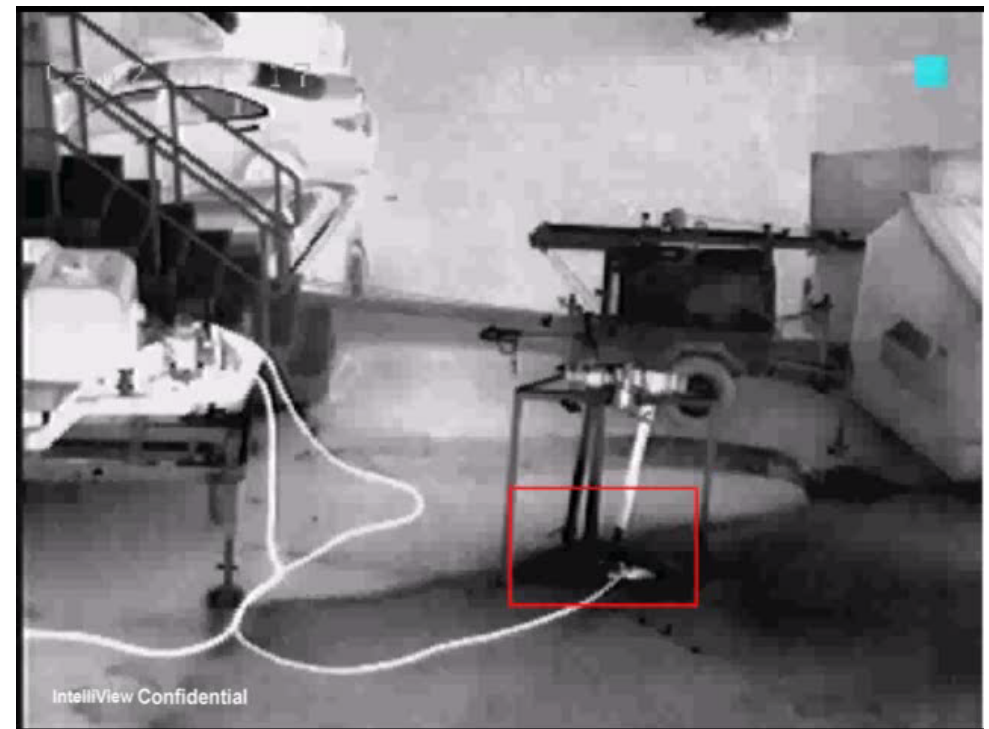


Leak Detection Example Clips



Small Flange drip Leak at 50 feet

Diesel Leak at 150 feet in heavy rain



Security Analytics

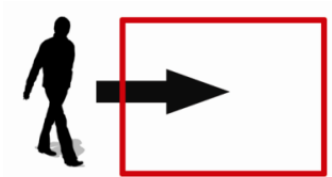
Patented Standard Software



Motion Inside
a Region



Object Left
Behind



Perimeter
Crossing



Object Taken



Loitering



Trip Wire One
Direction & Both
Directions

Security Analytics example clips

Gate monitoring/vehicle entry



Gate monitoring/vehicle exit



Remote site monitoring example



Challenges / Lessons learned

- Presentation at IPC 2014
Thursday, October 2, 2014 @ 1:30 pm
Room Telus Glen 208

Proceedings of the 10th International Pipeline Conference
IPC2014
September 29, October 3, 2014, Calgary, Alberta, CANADA

IPC2014-33700

REAL TIME FACILITY MONITORING - LESSONS LEARNED

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