IntelSight By Neatco

Cutting-Edge Technology for the Circular Economy

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If you're like most MRF's, your inbound streams are complex mixtures. You need to know the composition of your incoming waste. Accurate waste characterization is critical to driving the success of your operation, and is becoming more important due to producer responsibility policies. But you have to rely on manual sampling programs… and that sampling data can be unreliable, inconsistent, slow to collect, and expensive.

We can help you with those problems, with IntelSight by Neatco Engineering.

Our revolutionary system automates the capture of your sampling data. It combines accurate detection devices with powerful processors. This system can replace manual sampling with high-quality, real-time data. A system that doesn't need breaks, doesn't fatigue, doesn't make mistakes, doesn't get hurt. A system that learns and improves as it works, because of the advanced artificial intelligence software. This technology is now a reality.

Check out these features...   and Benefits…

	Feature	Benefit
	IntelSight is automatic and machine-based. Manual sampling is not needed.	Avoid human errors, improve safety, & reduce labour costs.
	Rugged design.	Long lasting performance even in challenging environments.
	Reliably ID a huge range of materials through the use of multiple sensors. Detection methods include laser, IR, x-ray, optical, and more.	You get accurate waste characterization; knowing what you're receiving, and how much of each component, means you can make the right decisions to optimize your processing lines.
	High speed data capture.	Real-time waste characterization at speed won't slow down waste receipt or processing… IntelSight's AI system operates so fast, it can perform the work of multiple human sorters.
	System adapts to new materials using artificial intelligence.	New waste streams will be captured; you can take advantage of new waste stream value.
	Cloud storage of data.	Data is permanently and safely stored for analysis. Don't lose valuable data, ever.
	Real-time data analysis; IntelSight continuously analyzes data.	Get reports on incoming waste characterization whenever and wherever you want.

⚙ Additional Benefits…

Accurate waste characterization gives you:	IntelSight will work with existing MRF systems:	Process outputs can be monitored as well:
Compliance with local regulations.	Fast and easy integration into your current process means you can have this system installed and active without major equipment modifications.	Use continuous process output measurements to create continuous process control in your line equipment… to maximize profitability.
The ability to constantly tweak your operation to maximize the value you get out of your waste streams.		
Monitor the effectiveness of source separation incentive programs.		
increase safety by catching problem materials before they enter processing equipment.		
Confidently use the information to justify capital investments.		

Who We Are

Founded in 2010, Neatco Engineering leverages expert knowledge in Artificial Intelligence (AI) and machine vision (MV). combined with KEBA robotics software and hardware, to deliver cutting-edge automation solutions across a range of industries

Neatco began by coordinating R&D projects that engaged academic research with real-world industry problems. Now, Neatco is harnessing those years of problem-solving and technology development to engage industry more directly.
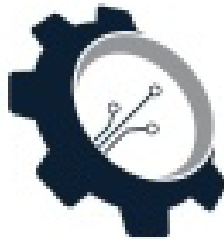

Hamid Karbasi, PhD, Founder + CEO

Dr. Hamid Karbasi, P. Eng., received his PhD in Robotics and Automation from the University of Waterloo in 2008. Results of this research have been published in several prestigious books, journals, and presented at multiple well-known conferences including ASME and IEEE. He served as NSERC Industrial Research Chair in Advanced Recycling Technologies for Waste Electrical and Electronic Equipment (WEEE) from 2016 to 2021. He heads up a team of talented mechanical engineers, IT Software professionals, and robotics specialists.

Call today to discover what this cutting edge technology can do for you. Whether it's:

- Increasing your waste characterization accuracy.
- Reducing your need for manual sampling labour.
- Reducing your sortation operating costs.
- improving your safety catching hazardous items before entering processing.

Our experts will help define achievable improvements in your recycling lines. So that you can make informed ROI decisions. This technology will be a game changer for you. What have you got to lose?

Contact us to schedule a 30 min discovery session! 519-581-8663 info@neatcoeng.com

Contact us today

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WWW.NEATCOENG.COM