

Firefly MGD
Advanced early fire detection solution for demanding applications



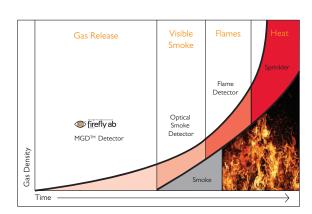






# Why use early fire detection?

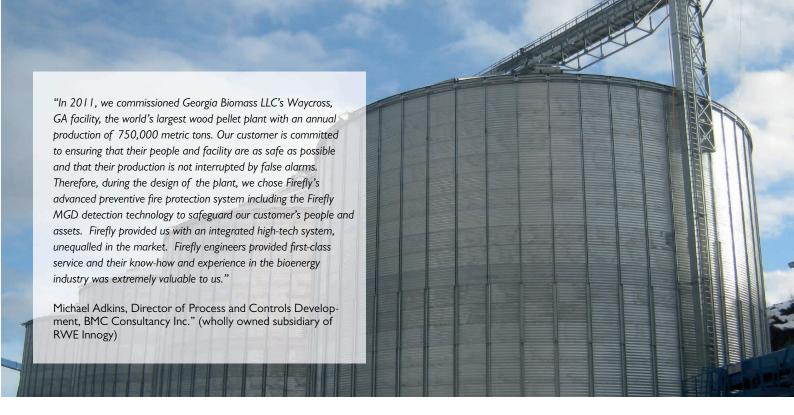
Numerous fires could have been avoided by early fire detection. These fires have cost human lives and injuries as well as millions in damages and lost production for the affected industries.



With our vast experience in providing preventive fire protection to the process industries since 1973, Firefly offers FM-approved Multiple Gas Detection (MGD). It is a solution for early fire detection in tough industrial environments such as silos, warehouses, port facilities, industrial production areas, etc.

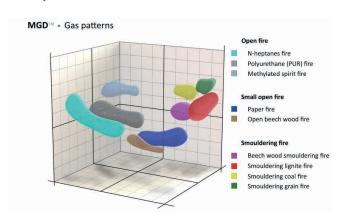
### MGD Technology

MGD technology, originally developed for aerospace, is based on the detection of fire related gases. The Firefly MGD-detector can be described as an "electronic nose". Through intelligent analysis of several different gas combinations, the detector can identify a fire at a very early stage.



### Multiple Alarm Functionality

Firefly MGD can be provided with multiple alarm functionality and tailored to each customers' specific needs. A pre-alarm indication from a Firefly MGD-detector offers the earliest warning signal of an incipient fire.



"The Firefly MGD-detector shows that it is possible to identify an ongoing pyrolysis process in an earlier stage" compared to other detection methods. "The MGD-detector had the fastest response and indicated a "pre-alarm" within 1,5-3 hours." \*

\*Excerpt from scientific report
"Fire and fire extinguishment in silos"
by Henry Persson et al.
From the SP Swedish National Testing
and Research Institute, RISE

## **About Firefly**

Firefly is a Swedish company that provides industrial fire prevention and protection systems to the process industry worlwide. Since 1973, Firefly has specialized in creating customized system solutions of the highest technical standards and quality. Based on customer needs and research Firefly has developed and patented products and solutions, creating a unique portfolio of innovative products and system solutions to increase the level of safety.

The Firefly quality management system is certified according to ISO 9001 and EN ISO/IEC 80079-34. Firefly's products hold national and international third party certifications through FM, VdS, CSA, DNV-GL, LCIE Bureau Veritas, Delta and RISE among others.

For more information on our certifications and approvals, please visit: www.firefly.se/en/company/approvals

Do you have a question about the fire risk in your plant? Contact us! We will be happy to assist you with our knowledge and experience.

Firefly – Keeps you in production

astgroup.ca



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