



PREVENTIVE PROTECTION SYSTEMS FROM

firefly ab  
SWEDEN



# Firefly ShredderGuard™

Fire protection solution for shredders in the recycling industry



## Why protect a shredder

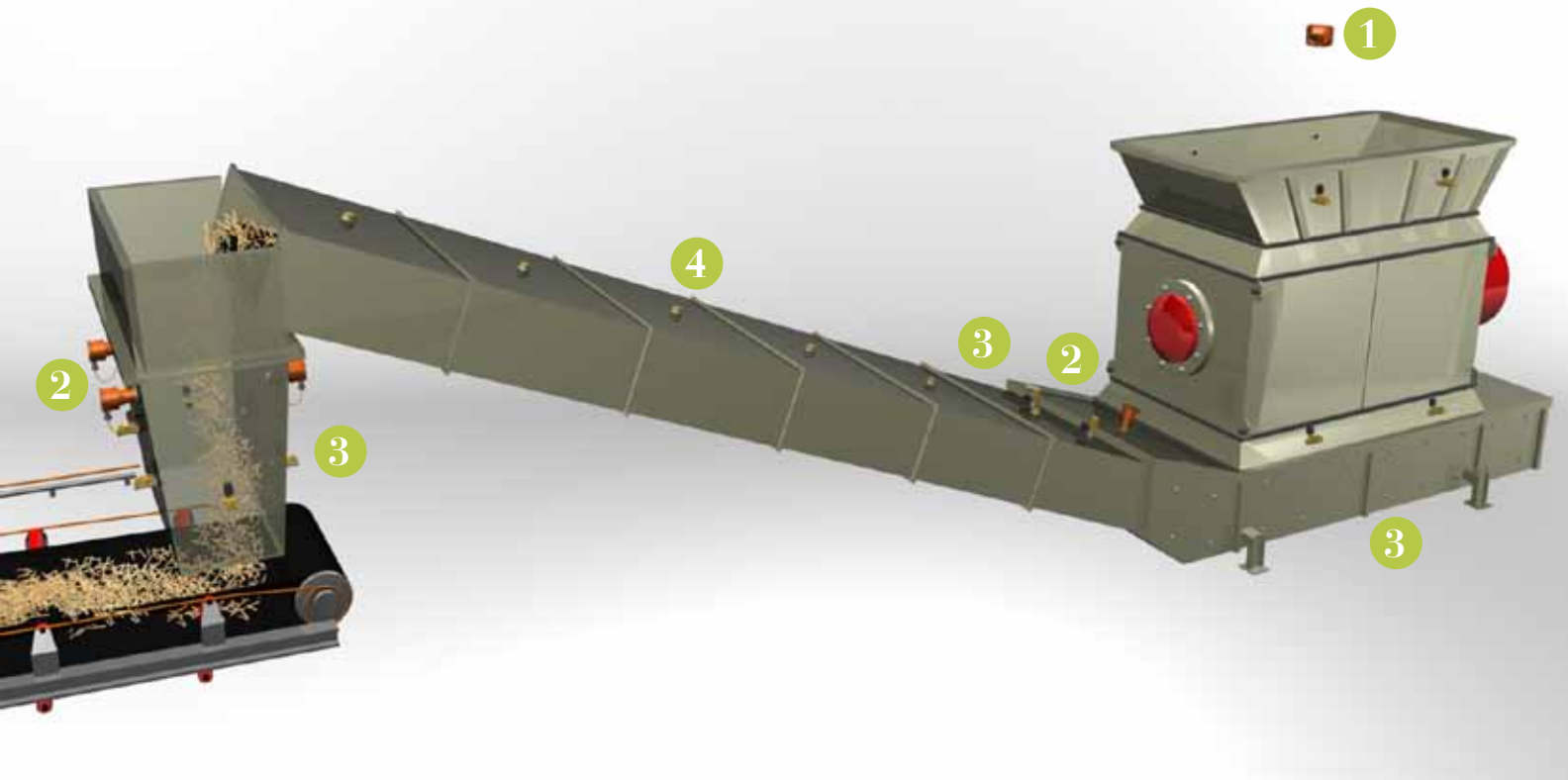
Every year, fires occur in numerous shredders worldwide. Frequent fires in shredders often result in production downtime and loss of revenue. Regardless if you shred waste, paper or other material, a fire in your shredder can occur due to several reasons: for example friction, bearing failure or foreign objects (stones, metal pieces, etc.).

A fire in a shredder can spread very quickly. Therefore, a fast acting fire protection system that also can withstand the tough conditions in and around a shredder is required.

Until today, no one has succeeded to equal the performance and reliability of Firefly's products and solutions. Firefly ShredderGuard™ is the company's solution to prevent fires in shredders within the recycling industry.

*“Unfortunately, fires in shredders are unavoidable. As a worldwide leading manufacturer of shredders, we want to spare our customers this costly problem. After extensive comparison tests and research aimed at solving this problem, we have decided to equip our shredders with the Firefly ShredderGuard™ solution.”*

Timo Lichtenthäler,  
Project leader, Vecoplan AG



## Firefly ShredderGuard™ solution

The focus of the Firefly ShredderGuard™ solution is to detect and extinguish a fire in a shredder as quickly as possible. This is why a Firefly safety system always consists of three main integrated functionalities: detection, extinguishing and control.

By integrating different techniques into one solution, Firefly provides optimal safety for the protection of shredders:

- 1 Firefly Flame detectors**  
Fast-acting flame detectors, highly immune to external disturbances and designed to withstand tough industrial environments.
- 2 Patented True IR detectors**  
Insensitive to daylight. Detecting flames as well as sparks and hot particles from the right ignition temperature and energy.
- 3 Full-cone water spray extinguishing**  
Powerful extinguishing with a unique nozzle design and placement aimed to penetrate and cover the entire material flow. Activated within milliseconds after detection.
- 4 Water mist suppression**  
Installed over the conveyor belt. Can be provided as add-on to the system.

## About Firefly

Firefly is a Swedish company that provides spark detection and industrial fire protection systems to the worldwide process industry. Founded in 1973, Firefly has specialized in creating customer adapted system solutions of the highest technical standards and quality. In complement to worldwide sales, Firefly also provides its customers with field service, maintenance and guaranteed long term spare part supply.

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

*Firefly – Keeps you in production*