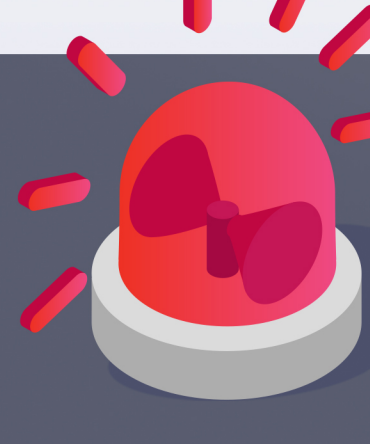


# ALARM MANAGEMENT

## PLANT OF THE FUTURE: TURNING NOISE INTO KNOWLEDGE

Effective alarms are integral to the safety and efficiency of all process industries. Each alarm requires an operator action, but process plants and pipelines are overwhelmed with nuisance alarms that mask the critical ones. When too many alarms overwhelm or cause complacency, issues get lost in the noise. How can alarms be managed more effectively?





**DON'T BE ALARMED**

When managed correctly, alarms improve plant safety, operator efficiency, and they reduce trips, maintenance costs, and environmental excursions.

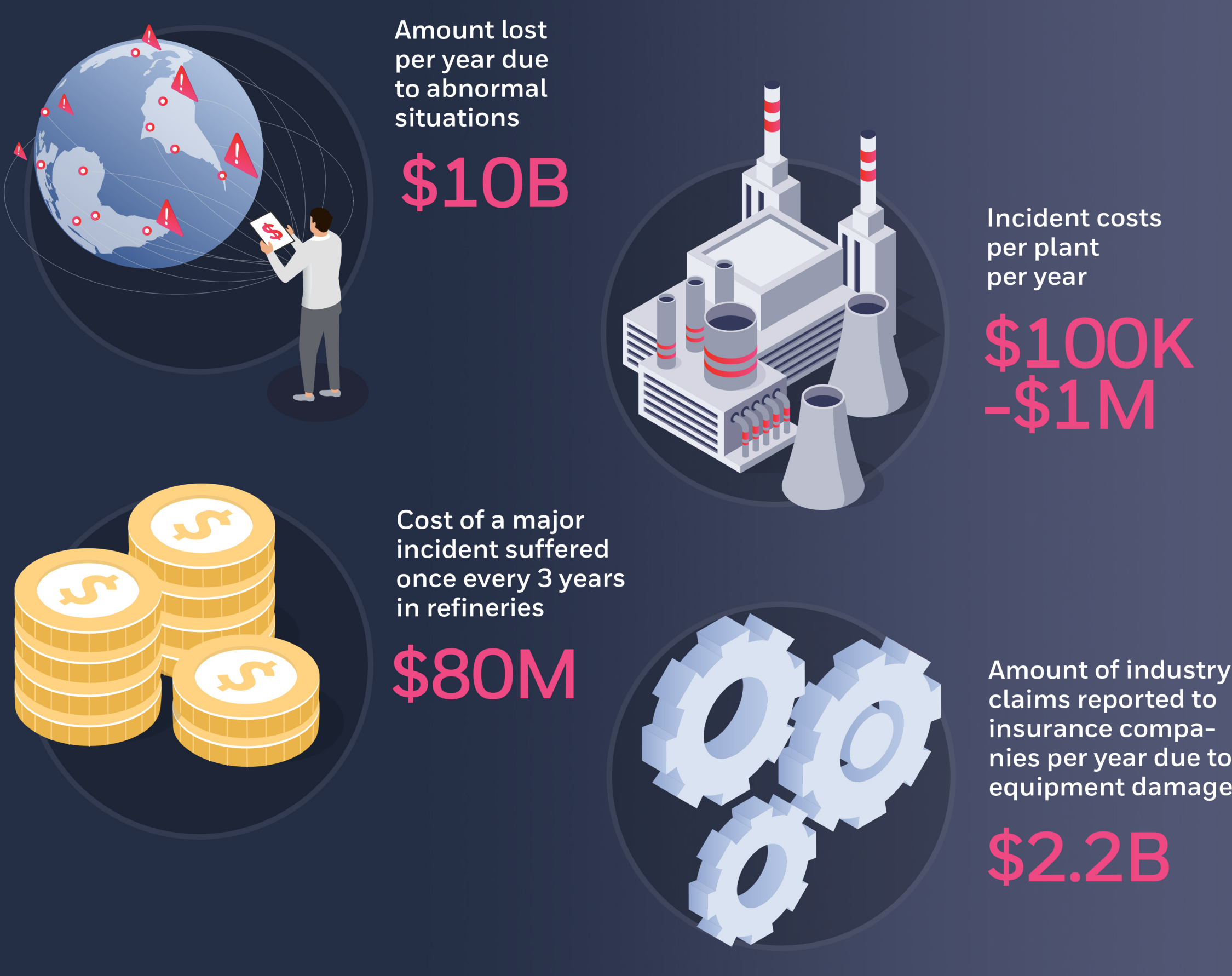
## SAFETY ISN'T IN NUMBERS

One of the threats to successful alarm management is the number and frequency of alarms. Standards organizations like EEMUA and ISA recommend no more than an average of 300 alarms/day or 1-2 alarms/10 minutes, but actual industry averages are well above that.



## ALARMING COSTS

The price to pay for ineffective alarm management is high.



## CUT THROUGH THE NOISE

 <p>Alarm management is proactive</p>	 <p>Alarm quality over quantity</p>	 <p>Design alarms for the operator - understandable and just in time</p>
 <p>Not everything needs to be alarmed - define pre-trip alarms and avoid redundancy</p>	 <p>Analyze and rationalize alarms to reduce active alarms by 50% and improve total alarms by 75%</p>	

## HONEYWELL



SOURCE: ASM CONSORTIUM

**HONEYWELL CAN HELP. VISIT US AT**  
[www.honeywellprocess.com/alarmmanagement](http://www.honeywellprocess.com/alarmmanagement)