

CRISIS-DRIVEN ALERT & CONTROL™

Chemical Facilities

**ACTIVATE. COMMUNICATE. MITIGATE.
YOUR COMPLETE EMERGENCY
MANAGEMENT SOLUTION.**





**WE DON'T
WANT TO
ALARM YOU.**

BUT WE WILL.

As industries go, there are few as potentially perilous as the chemical sector. The combination of powerful equipment, flammable chemicals and high-pressure processes can lead to all manner of hazardous incidents like leaks, fires, gas releases, explosions and more.

That's why it's essential for safety managers to be able to instantly Activate protective actions, Communicate with workers and civilians, and Mitigate the effects of any emergent scenario.

And that's why C-DAC is essential for Your Facility.

Crisis-Driven Alert & Control™ (C-DAC) is a site-wide emergency alert and notification system that coordinates multiple communication channels and initiates protective actions to mitigate the effects of a crisis.

C-DAC directs personal communication to targeted recipients, coordinates mass notification using any device, and provides adaptive intelligent controls to secure the environment. While a crisis may be random, your response shouldn't be.

Please read on to learn more about how C-DAC operates in a chemical facility emergency situation.



EMERGENCY SCENARIO 1: THE CENTRALERT CORE SYSTEM SETUP

Regardless of your facility's individual needs, all CentrAlert systems begin with a C-DAC Computer and a Guardian User Interface to operate it. The C-DAC then comes bundled with various software modules that can control any hardware, be it CentrAlert or third-party. For the purposes of this example, let's assume that you have a C-DAC with three of our most popular modules.

In the event of a fire, chemical leak or gas release, the **Guardian User Interface** enables the operator to activate sirens using the **SOS Siren Controller**, use **C-DAC Messenger** to send messages to essential contacts via email and SMS, and utilize the **Emergency Audio Relay System (EARS)** to broadcast emergency instructions over any company audio channel.

While this approach is no doubt effective, C-DAC has the power to make such an event both easier and safer by adding further Activation, Communication and Mitigation options.

CentrAlert Core System Setup

- C-DAC Computer
- Guardian User Interface
- SOS Siren Controller
- C-DAC Messenger
- Emergency Audio Relay System (EARS)



EMERGENCY SCENARIO 2: ADVANCED CENTRALERT ACTIVATION, MITIGATION AND COMMUNICATION OPTIONS

Available Upgrades:

- Networked C-DAC
- Guardian User Interface
- Mobile Guardian
- Oil and Gas Alert
- HVAC Safe
- Access Protect

Our next emergency scenario is the same as the first. A sudden fire, chemical leak or gas release threatens the safety of your workers and assets. While the core C-DAC system is perfectly capable of protecting your facility, **what if there was even more that could be done?**

ACTIVATE.

What if you had multiple C-DACs and **Guardian User Interfaces** connected via network, allowing several activation points (**Networked C-DAC**)? What if you had mobile access to your C-DAC, enabling you to activate a protective action from anywhere on site (**Mobile Guardian**)?

MITIGATE.

What if siren and communication commands could be activated

automatically as soon as C-DAC detected a chemical leak (**Oil and Gas Alert**)? What if C-DAC could shut off HVAC processes to halt the spread of toxic fumes (**HVAC Safe**)? What if shelter doors could be locked or unlocked to contain a fire or enable evacuation (**Access Protect**)?

What if these solutions weren't a "what if?" Through C-DAC's various software modules and custom configurations, your emergency management system is only limited by your imagination.

COMMUNICATE.

Activation and Mitigation are only two pieces of the puzzle. To truly take command of any emergency, you need a crisis communication app that will allow workers and civilians to **Know NOW!**



SAFETY MANAGER
with the Know NOW! App

PRIVATE ALERT

PUBLIC ALERT

HZ

HAZMAT TEAM



Hazmat Team responds to the hazard and contains it.

EM

EMPLOYEES



Employees evacuate via the safest route.

SE

SECURITY



Security cordons off the perimeter of the affected area.

PUB

PUBLIC



Public is informed of any essential community information.

Hazard Contained

Employees Safe

Public Informed



Emergency Scenario 3: The Know NOW! App

In any crisis situation, emergency managers need to get the right message to the right people at the right time.

The Know NOW! App allows the operator to send Public Alerts (to any local App user) and Private Alerts (to operator-generated groups) so that clarity can be provided in any emergency scenario. These alerts appear as push notifications on the recipient's phone with the ability to add locations, photos, videos, audio, documents and web links to give context to the alert.

Let's use the same chemical leak example as before. Using the Know NOW! App, you can send Private Alerts to the Hazmat team (to contain the leak), to your regular facility employees (with an evacuation plan) and to your security team (to cordon off the affected area).

You can then utilize Know NOW! to send a Public Alert to inform App users in the area about the event, along with the mitigation steps taken.

A worker in a yellow hard hat and safety vest is operating industrial machinery, specifically a large blue valve with a handwheel. The worker is wearing white gloves and is focused on the task. The background shows a complex industrial facility with various pipes and equipment.

CRISIS-DRIVEN ALERT & CONTROL AND THE KNOW NOW! APP

**DON'T JUST MAKE
IT SAFER. MAKE IT
EASIER.**

At CentrAlert, we're proud to have our products at the forefront of modern emergency management needs.

As our technology develops and requirements change, we will continue to offer innovative new solutions to protect the assets and people of chemical facilities around the world.

That being said, we also realize that **training and support** are of paramount importance to anyone utilizing our systems. To this end, we also offer various **Technical**

Support Plans with 24/7 software support, **online training videos**, system maintenance checks and much more.

It might sound strange but our mission at CentrAlert is to **make your emergency scenario as uneventful as possible**. By availing of the new advancements with our C-DAC and Know NOW! App, you will gain the ability to offer calm responses to dramatic events.

For more information on any of our products or to schedule a demo, **please visit centralert.com**.



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