



CERES

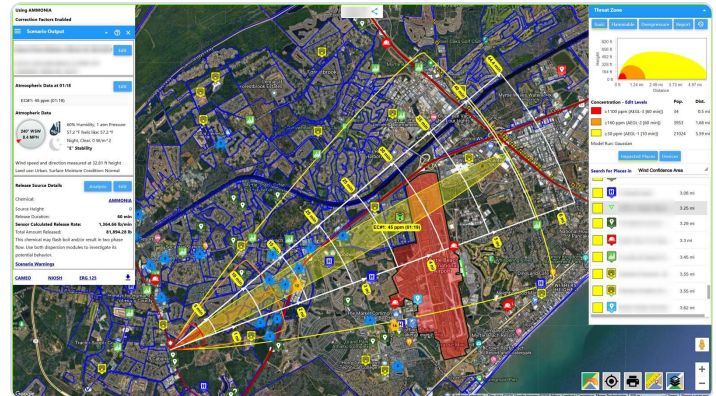
Chemical Emergency Response E-Service
Product sheets

CERES at a glance, revised September 2026

Built with the people who go toward it.

CERES is a complete emergency response platform for fire and chemical incidents: incident command, the EPA and NOAA hazard models, the 2024 Emergency Response Guidebook, live gas detectors and weather, and 80 responder tools on one map that runs in any browser. It is built with fire departments, hazmat teams and chemical plants across the Americas, Europe, Asia and Australia, and shaped by what they asked for on scene. Two sheets say what it does for a team and for a plant. Two more list what is under the hood.

- For hazmat teams: the zone on the map before the first unit arrives, and every crew member accounted for
- For plants: alarms that mean something, the plume from your own detectors, and the neighbors warned first
- For both: the same picture on the truck, in the command post and in the control room, and a record the review can trust



One detector reading over a coastal city: the zones, the people inside each one, where the plume goes if the wind shifts, and the places to call first.

Four sheets, two audiences

Two product sheets are written from the responder's side and the plant's side. Two capability sheets list what is under the hood. The product sheets print on three pages each, the catalogs on four and five.

CERES for hazmat teams

Fire departments, hazmat teams, city and county emergency management

Six moments of a call, from the placard read at a hundred meters to the report and the drill, written from the responder's side, with what CERES does in each.

Open the hazmat teams sheet

Hazard models

Modelers, EHS engineers and anyone who has to defend a number

Every dispersion, fire, explosion and radiological model CERES runs, the published basis of each, the inputs it needs and what it draws on the map.

Open the hazard models sheet

CERES Live Facility

Chemical plants, refineries, terminals, industrial parks and their fire brigades

Six moments at a plant, from an ordinary shift to the review: run the response well, keep your people and your neighbors safe, and be able to show it.

Open the facilities sheet

Tools and calculators

Everyone on the apparatus, in the command post or in the control room

80 tools in nine groups, from placard to triage to foam supply, each with the standard behind it. Most are free with any CERES account.

Open the tools catalog

Under the hood, briefly

The full model list and the 80-tool catalog have their own sheets. This is the short version.

Hazard models	ALOHA 5.4 source terms and dispersion from the US EPA and NOAA, run natively; plumes driven by your own detectors; SCICHEM with Live Facility for wind shifts, calm air, terrain and soot deposition; Pro models for fire, explosion, boilover, battery fires and radiological releases; each one documented with its basis.	Guidance built in	ERG 2024; NIOSH Pocket Guide; CAMEO Chemicals; CHEMM and REMM; FEMA ICS 201, 202, 203, 204, 208, 211, 214 and 233; NFPA 1584 rehab; DHS-ATF standoff cards; 1,300+ chemicals with every property labeled with its source.
Tools	80 tools and calculators in nine groups that follow the incident, attached to it so every result lands in the record. Most are free. Each has a how-to tour, most with a practice mode.	Live data	Gas detectors and met stations over Modbus, OPC, PI, MQTT, serial and the Blackline, Honeywell/RAE and Industrial Scientific clouds; The Weather Company; radar, NWS alerts, air quality, wildfire, flood, earthquake and outage feeds; AIS vessels on request.
People	My Status, team status board, PAR roll calls, a roster joined by QR code with a phone-only Responder role, location shared only while responding, Command Board accountability, responder emergency alarm, incident chat with @mentions and push.	Training	Four story missions on a private exercise incident with the real tools, guided to learn and tested to qualify; eleven Basics lessons on the tools and models; three incident-command lessons; the chief's team matrix with curricula and assignments.
Languages and units	English, French, Spanish, German and Chinese, including the help; metric or US units per user.	Runs on, delivery	Any modern browser on Windows, macOS, Linux, iOS and Android, nothing to install; iOS and Android apps; the Command Board keeps working offline. Cloud service at ceres.vlahi.com or a private deployment; optional two-factor sign-in, or Microsoft, Google and Apple accounts.

Products

Three products and a free version. Each product includes everything in the one before it and is licensed per site. For a quote, write to sales@vlahi.com.

CERES Free One responder, no cost The ALOHA direct, puddle, tank and gas-pipe sources, every ERG event type, the map, scenario history and the free tools.	Vulnerability and Risk Planners and EHS Everything in CERES Free, plus the Pro models and calculators (fire, blast, boilover, battery, radiological), vulnerability zones, threat at a point for many receptors, population impact, predefined scenarios, RMP, E2 and Seveso support, and advanced reports.	HAZMAT Team Responders, police, military, CBRNE Everything in Vulnerability and Risk, for the whole team on one shared site, plus detectors and met stations, live weather and traffic, Tier II, RMP, Seveso and E2 imports, sensor-driven plumes and locate source, alerts, team tracking, a Command Board that works offline, and history.	Live Facility Plants, terminals, industrial parks Everything in HAZMAT Team, plus SCICHEM puff dispersion for wind shifts, calm air and complex terrain, runs of up to eight hours, soot clouds and deposition, wide-area transport, head counting, voice and SMS notification, and continuous monitoring of your detectors and weather.
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To the people who go toward it

The measure of CERES was never the feature list. It is whether the zone was right, whether the crew came out, and whether the report told the truth. That part is your work. Ours is to make sure nothing in the software stands between you and it.

Thank you for going toward it. Vlahi Systems

Try CERES free at ceres.vlahi.com. For a walkthrough or a trial license, write to sales@vlahi.com or call +1 832-356-6669.



Model results are decision-support estimates and are no substitute for measurements, training and judgment on scene. Screenshots show demonstration scenarios; real addresses, dates and names in them are blurred. ALOHA and CAMEO are developed by the US EPA and NOAA. The ERG is published by US DOT PHMSA, Transport Canada and Mexico's SICT. CERES is a trademark of Vlahi Systems LLC. Other names belong to their owners. © 2017–2026 Vlahi Systems LLC.