

Common Operating and Response Environment (CORE)

CORE integrates diverse data streams, summarizes the information, and provides your team members with the information they need to rapidly understand and respond to situations, whether that situation is a fire at a U.S. Air Force base or a smuggling attempt in a dangerous part of the world.

With CORE, you can integrate custom and commercial operation systems and enhance collaboration through effective sharing of information. The information is presented based on the need of the receiver. For example, data summaries are provided for making high-level decisions; tactical maps and weather information are provided to responders in the field.

Developed at the Pacific Northwest National Laboratory, CORE is a suite of tools based on years of data and model integration, rapid risk assessment applications, and geospatial information integration for our government and industrial clients.

HERE'S WHAT CORE CAN DO FOR YOU...

Serve the Right Information, Right Now

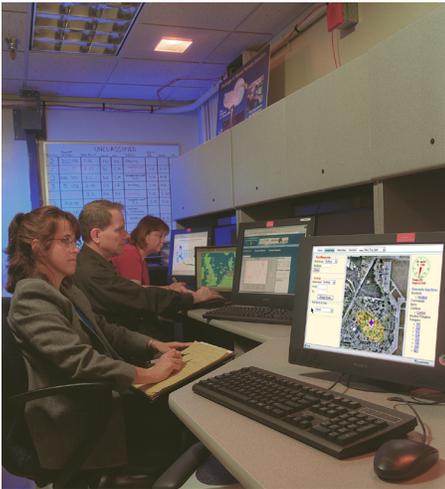
Your team members in the operations center and half a world away can get the information they need, simultaneously. For example, CORE can provide timely access to comprehensive cargo inspection data from containers leaving Pakistan and arriving in the United States. The information is supplied, based on need to know, to team members at the Integrated Cargo Container Control Facility in Karachi, Pakistan, and to the National Targeting Center in Reston, Virginia.

CORE Features

- ▶ Facilitates communication among multiple teams
- ▶ Shows information based on assigned roles
- ▶ Integrates disparate data streams
- ▶ Provides easy-to-use visualizations
- ▶ Operates on PDAs, laptop computers, and desktop computers
- ▶ Logs information for easy reporting



Fire fighters, police, investigators, and other emergency responders can have fast access to data that helps them save lives and protect property in the field.



CORE tracks the multiple roles of users, allowing different views for analysts, managers, and external users, for example.

In addition, CORE can provide information to team members in the field through PDAs and laptop computers. CORE is “pocket portable,” easily fitting onto a jump drive, allowing it to be quickly uploaded to additional computers in the field.

Use Your Data

With CORE, you do not need to reformat your data or rebuild your information architecture. CORE rapidly fits into your data streams. It captures and integrates multi-dimensional, authoritative data streams in a variety of formats, from your custom-built databases and software to commercially available tools.

Use Your Processes

With CORE, you do not have to mold your processes to meet CORE’s requirements. The suite of tools is highly flexible and adapts to numerous situations. However, by capturing and displaying your data in a user-friendly environment, CORE often creates opportunities to learn about and manage processes more efficiently and effectively. We can provide our expertise to identify bottlenecks and improve procedures and protocols.

See Your Data in the Format You Want

To help you make the right decisions, CORE provides simple visualizations of complex, multi-dimensional data. Options include maps, tables, summary sheets, process flows, and timelines.

IMPLEMENT QUICKLY, EFFECTIVELY

You can rapidly implement CORE, because it has a straightforward interface and includes templates to complete basic operations, such as setting up users access to data. Configuring CORE can be done by your staff; computer programming experience is not necessary. Typically, our clients begin using CORE within months of implementing the software. Training time and costs are minimal.

KEY CUSTOMERS

CORE is being used in the field today for container inspection tracking, emergency operations, and engineering design tracking. Current clients include

- ▶ U.S. Customs and Border Protection
- ▶ Pakistan Customs and Public Utility Department
- ▶ Virtual Emergency Operations Center at U.S. Moody Air Force Base
- ▶ Domestic Nuclear Detection Office rail test center
- ▶ Radiation Portal Monitoring Project at PNNL.

ABOUT PNNL

Pacific Northwest National Laboratory, a U.S. Department of Energy Office of Science laboratory, solves complex problems in energy, the environment, and national security by advancing the understanding of science. PNNL employs more than 4000 staff, has a business volume of \$750 million, and has been managed by Ohio-based Battelle since the lab’s inception in 1965.

EASY CONTRACTING, EASY COLLABORATION

PNNL provides different contracting methods and technology transfer options, based on the needs of our clients in federal, state, and local agencies; private industry; nonprofit organizations; and academia. Our expertise, backed by state-of-the-art instrumentation, is available to provide innovative solutions to your operating and response environment needs. Contact us today!

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