Dräger

FIRE AND GAS DETECTION SYSTEMS.

Discover the Dräger Houston System Center (HSC)

Dräger. Technology for Life®

Gather data & design a plan

Consultation

SITE ASSESSMENTS AND HAZARD IDENTIFICATION

As your trusted advisor in process safety and fire and gas system design, our team of engineers and technical experts can assist you at the earliest phases of your project. The team starts with a detailed process and site assessment to understand the operations performed at your facility. Referencing industry best practices, state and federal regulatory codes, up-to-date, peer-reviewed industry standards and technical reports, respected industry leaders' corporate guidelines, and our own experience and access to technical experts around the world, we help identify the potential hazards to personnel and property and the various risk scenarios and possible consequences of dangerous events. Next, we identify "best match" detection technologies to the identified hazards, and provide recommended notification and response strategies from a wide variety of available technologies and products. Finally, using a fully interactive approach, the team designs a system that achieves your facility's safety goals, while paying close attention to your initial investment value and long-term operational expenditures.

SAFETY SYSTEM DESIGN AND OPTIMIZATION

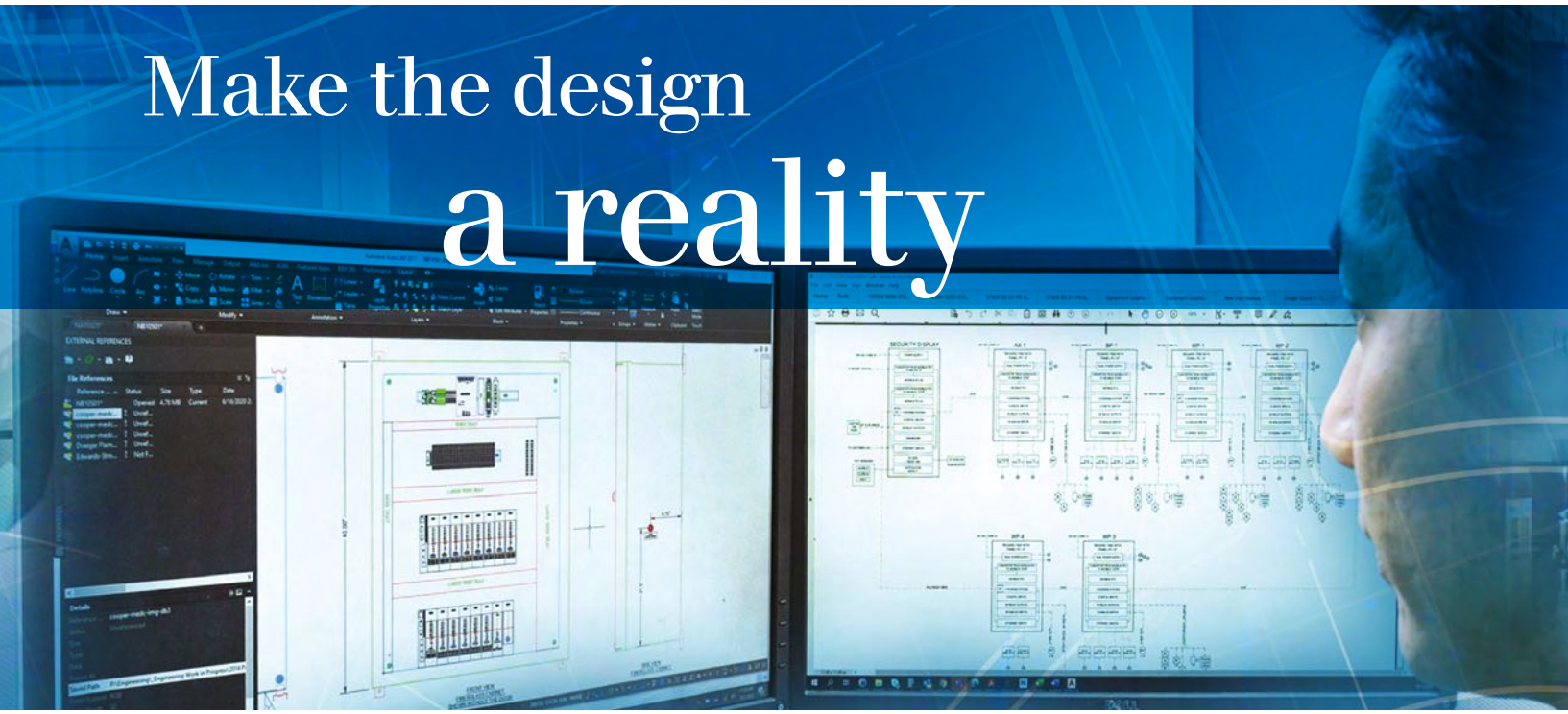
Two major challenges Dräger can help you address are complexity and system optimization. Drawing from years of experience, our technical experts use prescriptive- and performance-based design concepts to create safety systems that meet or exceed your facility's safety standards. Using innovative fire and gas mapping software, we are able to optimize and validate system designs.

SYSTEM INTEGRATION AND COMMUNICATION

The smooth integration of new sub-systems into a plant's overall enterprise automation architecture is key to the success of any major project. Notification and control action signals must pass cleanly and quickly from each of the individually designed and application-specific systems used in the various process areas and buildings in your facility.

Dräger's System Center engineers employ the flexible communications capabilities of the REGARD® 7000 series, such as MODBUS, TCP/IP ethernet and others, as well as all the available interface options for our detection devices, including HART and MODBUS, to meet the needs of your enterprise control and data management systems. In addition, the system integration designer works to provide the most economic design possible.

The flexible configurations of the REGARD® 7000 series allow for multiple remote I/O stations that can significantly lower the cost for both signal communications and power. Dräger's system integration capability also includes customized and standard configurations of HMI (human machine interface) software for visualization, configuration and application-specific control actions.



Make the design a reality

Implementation

PROJECT MANAGEMENT

To keep your project on schedule, Dräger has dedicated and certified project managers that oversee the progress of your project from start to finish. By maintaining frequent and ongoing communication between our internal teams and your team, our project manager helps ensure the success of every project, regardless of its complexity.

DOCUMENTATION

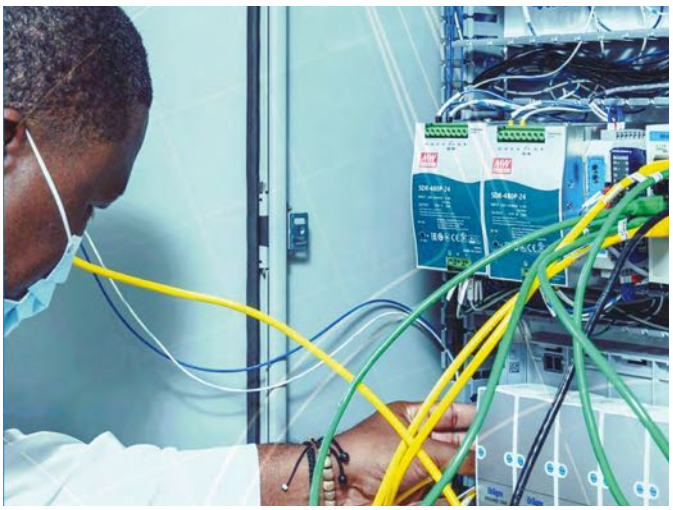
To support the successful implementation of your project, our team can provide accurate and complete documentation packages as per a standard set of Dräger drawings and product information documents or pre-defined list of custom requirements. Where required, specially certified and trained engineers provide a level above most other integration teams by producing documentation packages that include placement optimization reports via fire and gas mapping studies, NFPA 72v2019 Section 7 forms, and performance design summaries for presentation to fire officials and any additional authorities having jurisdiction over your project.

SYSTEM VALIDATION AND FACTORY ACCEPTANCE TESTING

Our production engineering group builds and tests all systems in our ISO 9001 and certified UL508A Houston System Center. You will be able to tour the Center, meet your project manager and design engineers, review our quality program and standards, and perform and witness factory acceptance tests and a variety of additional activities at the Center before we deliver your new system to your site for startup and commissioning.

STARTUP AND COMMISSIONING

Once factory acceptance testing of your system is complete at our Houston location, certified Dräger field service engineers provide local startup and commissioning assistance. The design engineers and project manager that supported you from the start continue to oversee the commissioning effort, remaining available to you and the field engineers to provide support throughout the commissioning and startup process. Our goal is to install your new system with minimal disruption to your production, while meeting the agreed-upon project completion date.



Maximize your investment

Optimization

TECHNICAL SUPPORT

To keep things running smoothly once your new system is installed and operational, our team of technical support professionals and engineers are available to answer questions and troubleshoot any issues that may arise in the future.

ONGOING SERVICE AND MAINTENANCE

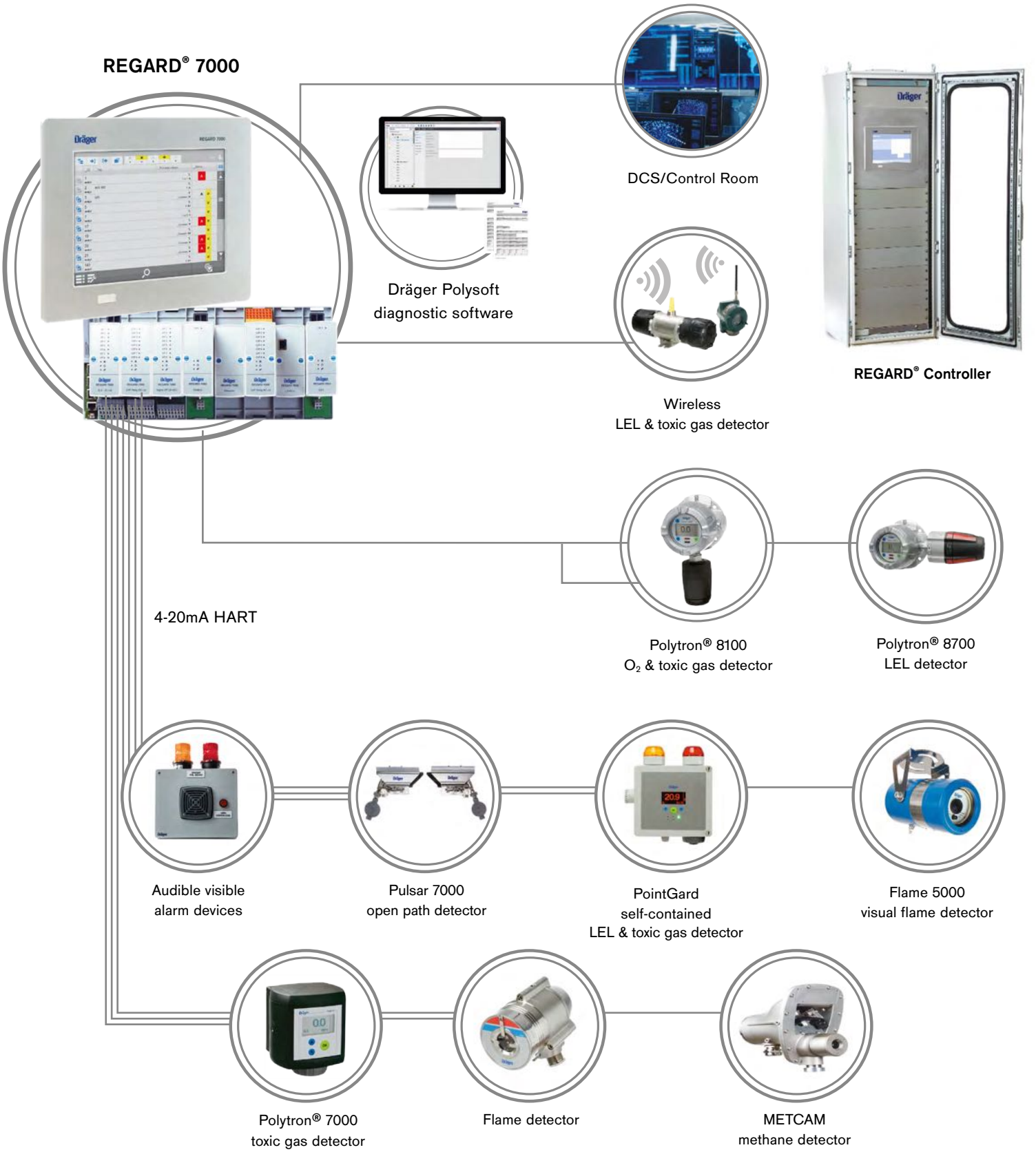
All work on your equipment – calibration, repair, overhaul, or warranty work – is handled at the Houston System Center by skilled Dräger professionals. Our Sensor and Transmitter Exchange Program ensures quick turnaround for maximum uptime at your facility. If you have questions, call us at 1-800-4DRAGER to be connected to our service experts.

CUSTOMIZED TRAINING

To maximize your investment in safety, training is essential. Our training team can provide the consistent professional training you need – either at our center in Houston or at your plant. We can tailor topics to meet your needs – from the basics of fire and gas detection to detailed user information for specific devices and controllers.

We hold training courses every six months at our Houston System Center. For the schedule, check our website. To register for training at Houston or arrange for classes at your facility, call 1-800-4DRAGER to be connected to our Technical Service team.

Dräger Integrated System - REGARD® 7000 Controller



Dräger Integrated System - REGARD® 7000-F Controller

Control Room

ModBus TCP/IP

Suppression System

REGARD® 7000
dashboard

Remote panel

REGARD® 7000

Pulsar 7000
open path detector

Polytron® 8100
O_2 & Toxic
Gas detector

Audible visual
alarm device

Polytron® 8200
LEL detector

Addressable
module

Addressable
Loop (Zone 1)

Flame 5000
visual flame detector

Polytron® 8700
LEL detector

Flame detector

Addressable
module

Addressable
Loop (Zone 2)

“Everything we do,
we do with passion –
and we do it for life.”

Stefan Dräger

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