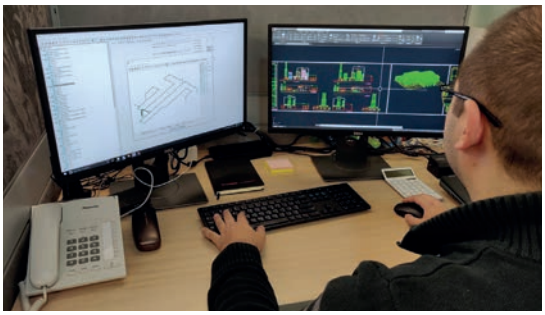
ADVANCED DETECTION GLOBAL SERVICES

EXPERT DESIGN, CONSULTING AND TRAINING

ADVANCED DETECTION GLOBAL SERVICES (ADGS)

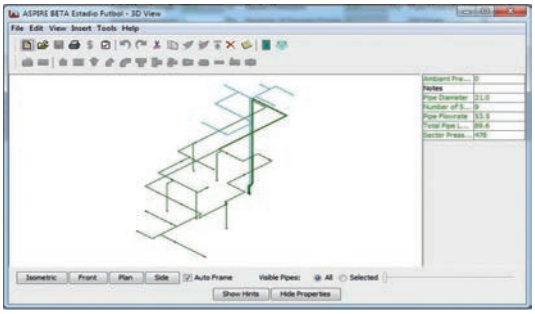
ADGS offers unparalleled applications, design, consulting, training, and technical services for the entire Xtralis and System Sensor solutions:

- Aspirating Smoke Detection (ASD)
- Aspirating Gas Detection (AGD) - VESDA Sensepoint XCL
- Open Area Beam Smoke Detection
- Wireless Smoke Detection
- Lithium-ion Battery Electrolyte Vapour (Off-Gas) Detection



DESIGN SERVICES

- Analysis and review of project & design documents
- Quick initial design solution based on customer needs
- Detailed and comprehensive design package for all systems including: engineering layout, calculations, and, final bill of materials (BOM)
- Advanced design package including Building information modeling (BIM) and computational fluid dynamics (CFD) output files
- Consultation with authorities having jurisdiction (AHJ), insurers, consultants, architects & engineers to:
  - Propose new solutions based to improve current industry standards
  - Provide expert assessment of existing fire codes worldwide



DESIGN EXPERTISE

Our team is uniquely qualified to deliver solutions according to regional codes and standards, such as NFPA 72, NFPA 76, BS 5839, BS 6266 and FIA COP.

Understanding the layout of a required system and designing it for optimal protection has a learning curve that ADGS design team is ready to address.

SIMPLE HANDOVER FOR INSTALLATION

Who better to design and provide technical support than the company that manufactures your system?

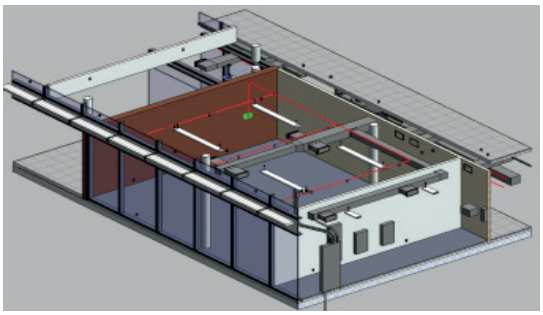
Following the standard steps from design stage up to handing over will guarantee better efficiency for your system including:

- Gather site information
- Select appropriate system
- Select appropriate type and model
- Follow the right code for your region
- Plan and map system items (engineering layout)
- Calculate design performance using appropriate tool
- Generate required output data to start installation

AUTODESK® REVIT BUILDING DESIGN

ADGS uses Autodesk Revit building information modeling software for advanced design package.

Our team provides libraries for the Xtralis and System Sensor product ranges that can be integrated with Revit to allow engineers to plan and track various stages in the building's lifecycle, from concept to construction and later demolition.



SOLUTIONS FOR SMOKE DETECTION IN A WIDE RANGE OF INDUSTRIES

By working with ADGS throughout the design stage, we can ensure both a cost-effective and fire safe building, and that on-going business activities and building system maintenance are considered.

For instance, ADGS designed a VESDA-E VEA solution with flexible tubes in the largest indoor theme park in the Middle East which minimized installation cost and time while delivering centralized maintenance capabilities, so business activities are never disturbed.

LEARN MORE:

XTRALIS.COM
SYSTEMSENSOREUROPE.COM

CONSULTING

ADGS consultancy services deliver cost effective, code compliant, and innovative fire systems, including:

- Fire detection system design appraisal
- Advice on regulation and code compliance:
  - Support during the regulatory authorities' approvals process
- Fire simulation and modelling to evaluate and
  - Optimize fire detection system performance
- Guidance on designing solutions that address
  - Maintenance requirements and reliability challenges in harsh environments
  - Advice on integrating detection and other systems for the protection of critical equipment

ADGS DESIGN SUBSCRIPTION SERVICE

To ensure the level of performance required by customers is met and system designs are optimised, ADGS offers a design subscription service to integrators and distributors. The subscription service provides a range of services from simple design reviews to full system designs; detector layout and placement, full bill of materials and application guidance.

There are 3 levels of annual subscription: Silver, Gold and Platinum. These can be used for VESDA and OSID product portfolio.

In addition to the improved service and greater flexibility, the subscriptions offer the following key benefits:

- Service tailored according to customers needs based on subscription plan
- Accurate designs by experts
- Quick turnaround time for the creation of BOM for the purposes of budgeting and quotation
- Customized service and lower operational overhead through annual subscriptions
- 3 types of subscriptions: Silver, Gold and Platinum



APPLICATIONS ENGINEERING AND PERFORMANCE-BASED DESIGN

ADGS Applications Engineers provide consultancy services that deliver cost-effective, code compliant, and innovative fire systems, including:

- Fire detection systems design
- Advice on regulation and code compliance and support during the regulatory authorities' approvals process
- Fire simulation and modelling to evaluate and optimize fire detection system performance
- Fire risk assessments
- Guidance in designing solutions that address maintenance requirements and reliability challenges in harsh environments
- Advice on integrating detection and gaseous suppression systems for the protection of critical equipment
- Developing risk-informed, performance-based designs to:
  - Address restrictive codes and standards and non-compliance issues,
  - Incorporate flexible design features for effective emergency response planning,
  - Optimize the use of available commercial building space, while meeting life safety objectives,
  - Achieve elegant architectural design.

TRAINING SERVICES

ADGS offers flexible, instructor-led (virtual/physical) and online on-demand expert training services in several formats:

- 1, 2, or 3-day training
- At your facility, ADGS regional facilities or online on-demand
- Customized or standard training
- For any ADGS-supported solution

ADGS training will ensure your staff is proficient at the design, commissioning, management, and testing of any of our life-safety solutions. As training experts with decades of training experience, we have trained tens of thousands of fire professionals to an expert-level proficiency with advanced detection technologies.

ONLINE TRAINING SERVICES - XTRALIS UNIVERSITY

Training is delivered through Xtralis University, our online Learning Management System (LMS), which provides more visibility to the breadth of our training offerings.

Through Xtralis University you have access to a curated library of content developed and delivered online on-demand by knowledgeable industry experts. You are able to access trainings that meet your needs to improve your product expertise, register for online on-demand or instructor-led sessions, and retrieve certifications at the click of a mouse or tap of the screen.

Virtual Instructor-Led and Classroom Trainings

- Xtralis VESDA Engineering (VSC)
- Xtralis VESDA Applications & Design (ASPIRE)
- Xtralis VESDA-E VEA Advanced Engineering
- Xtralis VESDA & ASPIRE Virtual Instructor-Led Training
- Xtralis VESDA VEA Virtual Instructor-Led Training
- Xtralis VESDA & ASPIRE Classroom Instructor-Led Training
- Xtralis VESDA & ASPIRE Classroom Instructor-Led Training (Danish Language)

Online On-Demand Trainings

- Xtralis OSID Training
- Xtralis SWIFT® Wireless
- Xtralis VESDA Introduction Training
- Xtralis VESDA ASD Accreditation Certificate Online On-Demand Training
- Xtralis VESDA Air Sampling Smoke Detection Recertification Training
- Xtralis VSM4 Technical Training Course
- Xtralis Li-ion Tamer GEN 3 / Xtralis Li-ion Tamer GEN 2+
- FAAST FLEX™ (EN)
- Xtralis VIS-IR™ Thermography Detector
- VESDA-E UL268 7th Edition
- Xtralis VESDA-E Remote Accessories
- Li-ion Tamer Sensor Multi Output Solution (LT-MOS)

To access Xtralis University, click here.

NEED ADDITIONAL INFORMATION?

- Design Support: DesignCenter@xtralis.com
- Training Support: TrainingServices@xtralis.com
- Submit request web form via www.xtralis.com/adgs