Justin McNamara
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IFSEC 2016
ExCeL London

Honeywell

Next Generation VESDA……

The future is HERE………

- **Xtralis Corporate Update**

- **VESDA-E VEP & Upgrade Incentive**

- **VEA**

- **Xtralis MD**

- **Questions?**

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Xtralis is the Absolute Leader in …

Very Early & Reliable Detection

The sooner you know the safer you are…

Remote Proactive Visual Verification

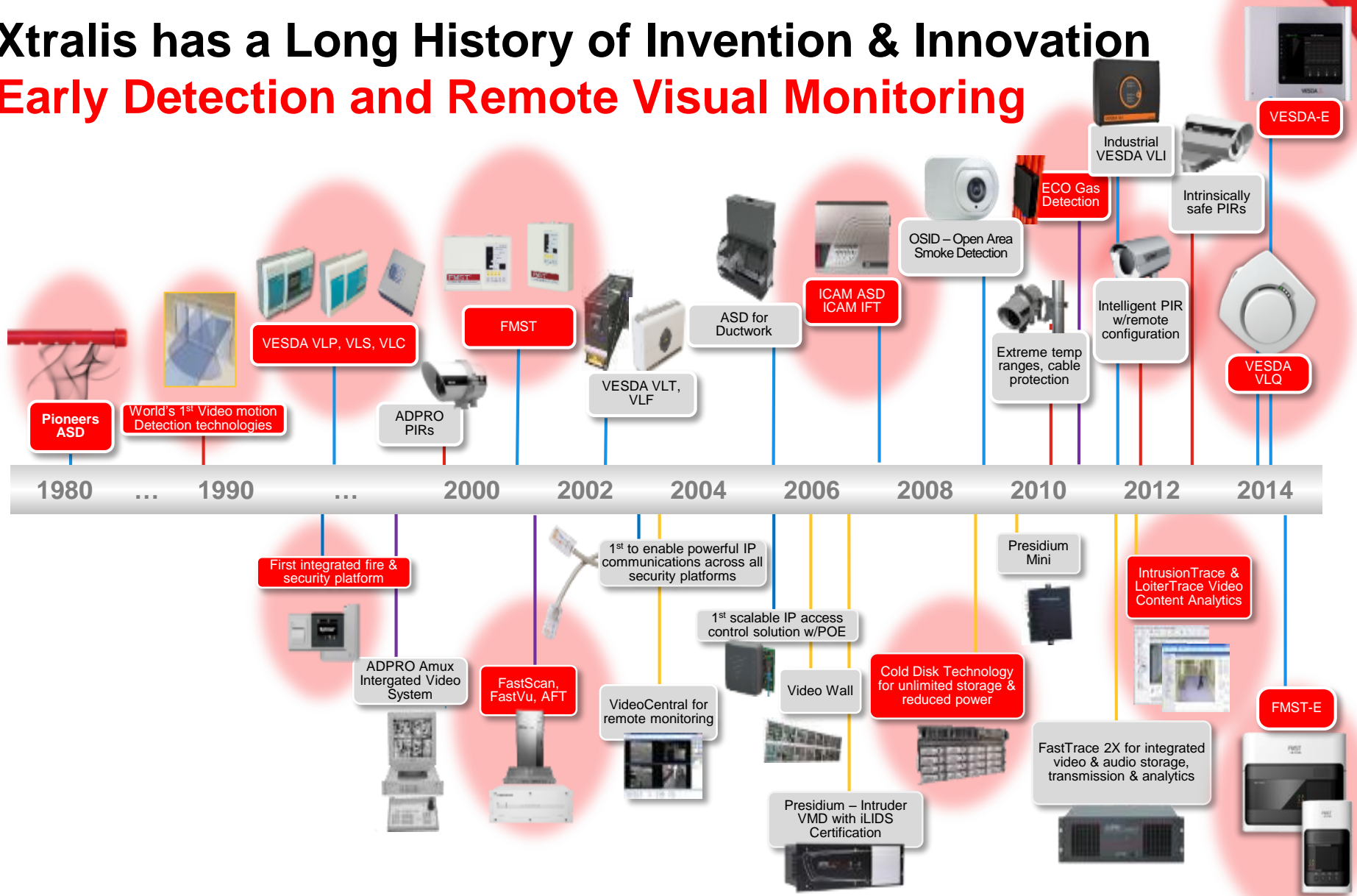*Reducing false alarms & providing actionable intelligence*

Total Threat Prevention

Protecting critical infrastructure, business continuity, and saving lives

Xtralis is now part of Honeywell

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Xtralis has a Long History of Invention & Innovation
Early Detection and Remote Visual Monitoring

Timeline (1980 – 2014):

- VESDA-E
- Industrial VESDA VLI
- ECO Gas Detection
- Intrinsically safe PIRs
- OSID – Open Area Smoke Detection
- ICAM ASD ICAM IFT
- Intelligent PIR w/remote configuration
- FMST
- ASD for Ductwork
- Extreme temp ranges, cable protection
- VESDA VLQ
- VESDA VLP, VLS, VLC
- VESDA VLT, VLF
- ADPRO PIRs
- Pioneers ASD
- World's 1st Video motion Detection technologies

Timeline years: 1980 … 1990 … 2000 2002 2004 2006 2008 2010 2012 2014

- First integrated fire & security platform
- 1st to enable powerful IP communications across all security platforms
- Presidium Mini
- IntrusionTrace & LoiterTrace Video Content Analytics
- ADPRO Amux Intergated Video System
- 1st scalable IP access control solution w/POE
- FastScan, FastVu, AFT
- VideoCentral for remote monitoring
- Video Wall
- Cold Disk Technology for unlimited storage & reduced power
- FMST-E
- FastTrace 2X for integrated video & audio storage, transmission & analytics
- Presidium – Intruder VMD with iLIDS Certification

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The Global Standard for Early Warning

- 90% of multi-national fire and security OEMs distribute Xtralis solutions
- 80% of semiconductor manufacturing facilities are protected by Xtralis
- 80% of the global top 10 telecom providers prevent downtime with Xtralis
- Over 70% of the top 30 data centers & 50% of data centers globally
- 60% of new airport construction uses Xtralis
- Approximately 50% of new metro & subway construction

RETAIL	DATACOM
IKEA, McDonald's i'm lovin' it, SAFEWAY	at&t, T··Mobile···, Google

AEROSPACE	INDUSTRIAL
Emirates, NASA, BOEING	DHL, ABB, BASF

FINANCIAL	OFFICES
Bank of America, HSBC, Deutsche Bank	SAMSUNG, pwc, ERNST & YOUNG

DEFENSE	GOVERNMENT
Department of the Air Force, United States of America, ROYAL AIR FORCE	Beijing 2008, UNDERGROUND, EUROPEAN UNION

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Introducing the VESDA-E – VEP

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VESDA – Benchmark for Excellence

Feature	VLP	VEP	VEU
Min Fire 1 Threshold	0.015% obs/m (0.0046% obs/ft)	0.01% obs/m (0.003% obs/ft)	0.001% obs/m (0.0003% obs/ft)
Detection Range	0.005 - 20% obs/m (0.0015 - 6.25% obs/ft)	0.005 - 20% obs/m (0.0015 - 6.25% obs/ft)	0.001 - 20.0% obs/m (0.0003 - 6.25% obs/ft)
Pipe Length (Linear)	200 m (656 ft)	280 m (919 ft)	400 m (1,312 ft)
Pipe Length (Branched)	400 m (1,312 ft)	560 m (1,837 ft)	800 m (2,625 ft)
AutoLearn™ (Smoke/Flow)	AutoLearn Smoke™	AutoLearn Smoke™ AutoLearn Flow™	AutoLearn Smoke™ AutoLearn Flow™
EN54-20 Max. no of Holes (Class A / B / C)	30 / 60 / 100	40 / 80 / 100	80 / 80 / 100
Bar Graph/Indicator LED	Local or Remote (20 segment Bar-graph display)	LEDs or 3.5" Color Touch Screen	LEDs or 3.5" Color Touch Screen
StaX Expandability	No	Yes	Yes
Analytics	No	Yes	Yes

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VESDA Smoke+

VESDA-E VEP is better than benchmark VESDA detection with improved efficiency of operation

VESDA-E VEP	VESDA VLP
Sensitivity is greater by…	1.5X
Longevity is greater than…	2X
Coverage in high airflow is greater by…	10%
Power	
Power consumption per unit area is less by up to…	8%

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Backward Compatible

Easy upgrade while protecting your investment

- Same footprint on wall as prior generation VESDA

- Same conduit pitch as VESDA VLP

- Same relays order for VESDA VLP & VLS

- Compatibility with VESDAnet – gateway into existing VESDA

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Tablet information with iVESDA

- Downloadable application that can be installed on Android and iOS handheld devices to monitor and maintain VESDA-E systems with unprecedented ease

- Compatible with existing VESDA detectors residing on the same VESDAnet as VESDA-E

- Provides detailed alarm, fault and other status information such as smoke trends, airflow, filter life, as well as viewing of important configuration parameters such as pipes in use and smoke alarm thresholds

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The NEW VLP has Arrived!

VESDA-E VEP Upgrade Program

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Ageing ASD Systems

- **Operation 24/7**
  - Hundreds of thousands Aspirating Smoke Detectors (ASD) installed worldwide operating continuously over the past decade

- **Ageing is inevitable**
  - While many older ASDs continue to operate reliably, service and/or failure frequency may occur more frequently if the system has not been properly maintained
  - Dirty environments pose particular challenges

- **Environments change as business develops – fire detection system must be reviewed & updated**
  - New equipment is added/removed
  - New loads
  - New rooms/partitions
  - Air conditioning requirements etc.

- **Potential Consequences**
  - **Unplanned failures:** results in unscheduled maintenance visits.
  - **Increasing costs:** unplanned failures attract premium repair/replacement charges, in addition to untimely disruptions to normal operations
  - **Failure & service frequency:** frequency of replacements will increase as detectors age
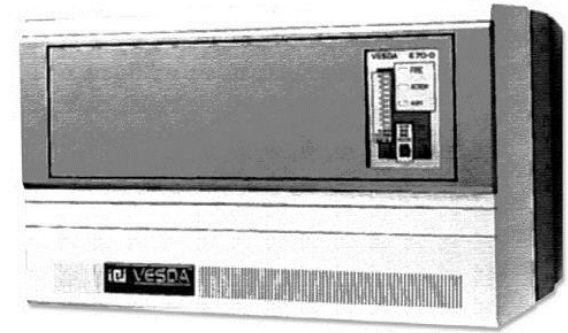
Unless VEWD tests are conducted annually, it's impossible to know whether VEWD performance is still being delivered as originally intended

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Products Eligible for Upgrade Program

VESDA VLP/VLC

- Available since 1997

- Hundreds of thousands successfully installed worldwide.

- Many older (10+ years) VESDA detectors continue to operate reliably

- However some users may start to experience unplanned failures as the detector ages

- This may be more noticeable when ASD system is operating in "dirty" environments

Non-Xtralis Branded ASD Products

- Unlike VESDA, other branded ASD systems do not use "clean air barrier" technology to sustain long term VEWD performance

- Systems unlikely to perform adequately over time and no longer provide VEWD

- May no longer be in production or supported by the manufacturer

__Negotiable discounts__ on VESDA-E VEP
__Extended three year warranty__ on VESDA-E VEP

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VESDA-E VEA

Industry First Addressable ASD with Assured Detection and Centralized Maintenance

- Reliable VESDA detection with end to end system integrity monitoring
- Flexible microbore tubes with click-in sampling points allow simple and fast installation
- Unique centralized test and maintenance saves significant time and money

  - VESDA-E connectivity and iVESDA delivers improved commissioning and enhanced monitoring
- Smaller ceiling footprint allows for unobtrusive detection valued in many applications.

VS

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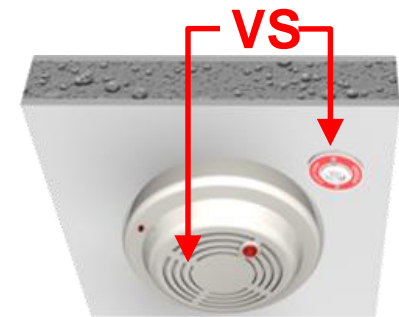
VESDA-E VEA – Assured Detection

VEA is <u>always</u> more reliable to detect smoke

- *Active sampling* continuously draws air for earliest detection and intervention preventing loss of life and assets

- *Full supervision* of microbore tubes and sampling points ensures total system availability and no missed alarms

- *Self cleaning* sampling points prevent contamination and blockages and minimises false alarms

- Reliable early warning with *absolute calibration, dual stage filtering, optics protection and programmable thresholds*

Active   Passive

Supervised

Unsupervised

Self Clean   Contaminated

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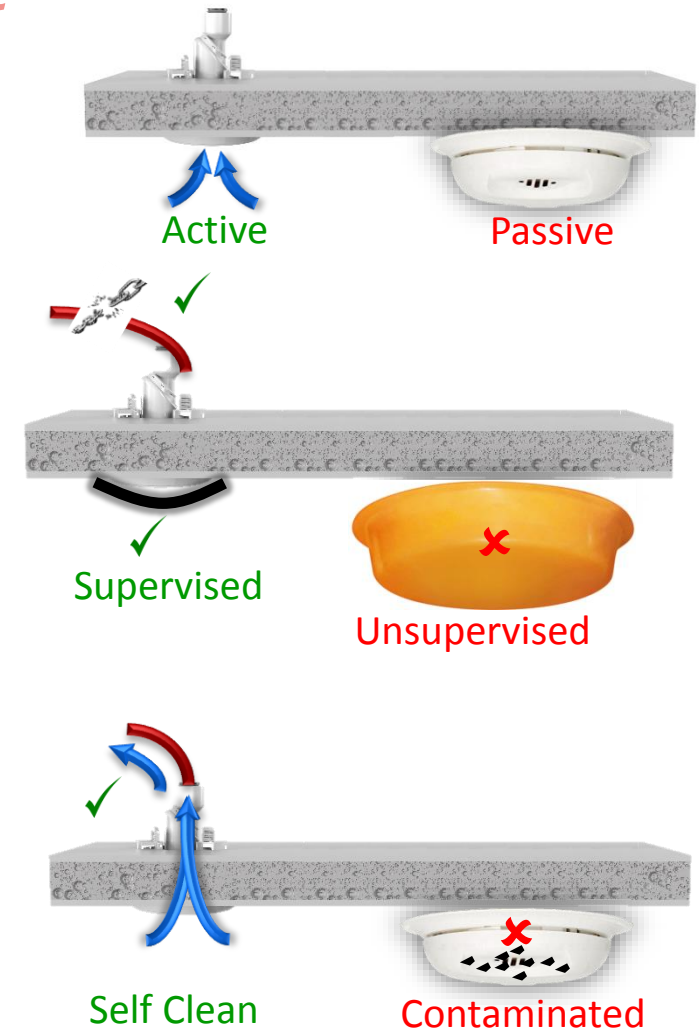
VESDA-E VEA – Flexible and Fast Installation

VEA is <u>always</u> easy to install

- VEA detector located in *central location* with up to 120 *sampling points placed at standard addressable detector* spacing

- Flexible *microbore tubes* are easy to install with *push-fit connections* and passive hence *no compliance requirements to electrical codes*

- *Unique serial numbers* and *tube length markings* allow pre-engineered and faster installation

- *Eliminates need* for electrical configuration including *electrical cables, junction box*, *reduces installation cost and time*

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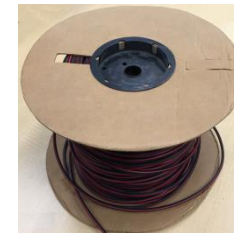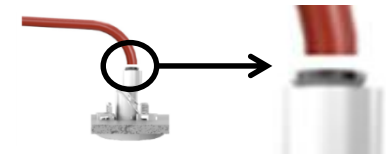
VESDA-E VEA – Reduced Maintenance and TCO

VEA always delivers savings

- *Centralized* test and maintenance reduces *service time by up to 90%* and *saves up to 60% in TCO*

- *Full supervision* allows *centralized smoke test* at the detector eliminating smoke test at each individual sampling points

- Readily *accessible VEA* detector *improve service and maintenance productivity* achieving up to 500 address a day

- *Field replaceable* components *reduced service and maintenance time and cost*

- *Remote access* with the *iVESDA* app allows *informed service preparation* and live event monitoring

Legend	
A	Fascia with 3.5" touchscreen display
B	Smoke Sensor Module
C	Filter
D	Pump
E	Rotary Valve
F	Base
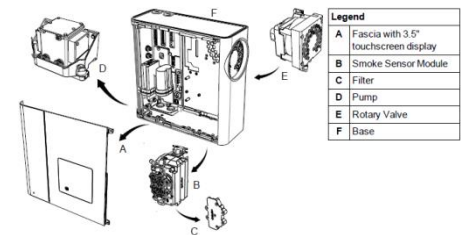
Xtralis Mobile Documents (MD)
Apple & Android

XtralisMD

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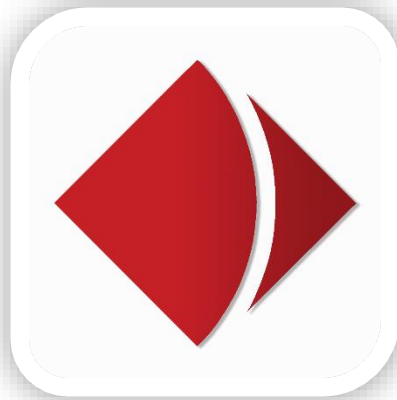
Summary

- XtralisMD is an application that is available for Apple iOS and Android users

- It provides a platform for customers (channels, installers, consultants and end users) to rapidly find information that relates to their immediate need whether it be product; segment or application.

- XtralisMD also provides a platform for users to better appreciate the depth and breadth of products and where they are applied
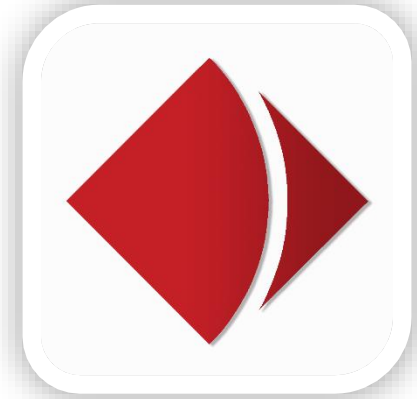
XtralisMD

- **Industries**
  - Airport
  - Car Dealerships
  - Clean Rooms
  - Correctional Facilities
  - Cultural and Heritage
  - Educational
  - Finance
  - Government
  - Healthcare
  - Highrise and Residential
  - IT and Telecom
  - Logistics / Cold Storage
  - Logistics / Warehouse
  - Manufacturing
  - Marine
  - Mining
  - Oil and Gas
  - Power
  - Railways
  - Retail and Commercial
  - Sporting Venues
  - Waste Recycling

- **Applications**
  - Analytics
  - Building Management
  - Business Intelligence
  - Gas Detection
  - Cabinet Protection
  - Car Parks
  - Ceiling Voids
  - Control Rooms
  - Conveyors
  - Duct Detection
  - Harsh Environments
  - In-Rack
  - Lift Shafts
  - Mobile Visual Monitoring
  - Open Area
  - Perimeter Protection
  - Remote Visual Monitoring
  - Remote Visual Smoke Verification
  - Restricted Access Rooms
  - Return Air
  - Room Protection
  - Small Computer Rooms
  - Special Hazards (EX)
  - Switch Rooms
  - Tunnel (cable and Others)
 - Void Protection

Sections – Industry and Application

- When you access the *Industry* or *Application* sections, you are presented with a simple overview of categories which are also visually represented

- At the bottom of each page you will see "**<**" that you will be able to use in order to go back to the previous page

- Selecting any of the Industries or Application will take you to a page that includes all relevant material for the selection
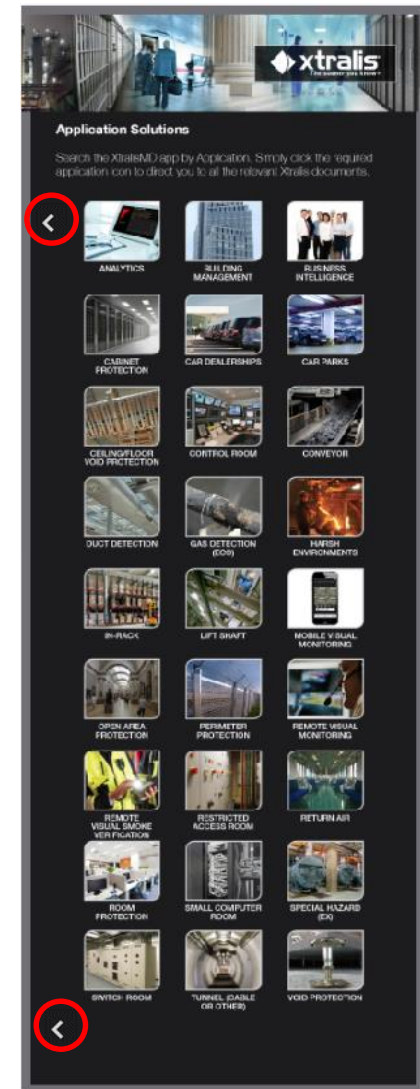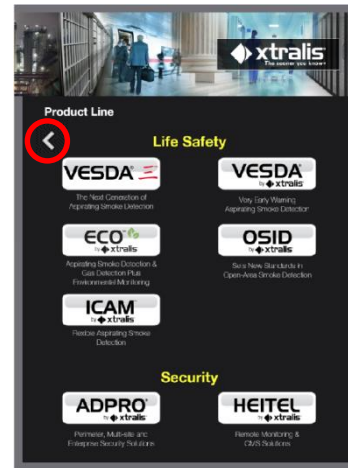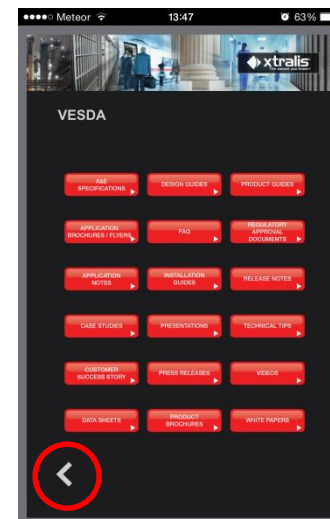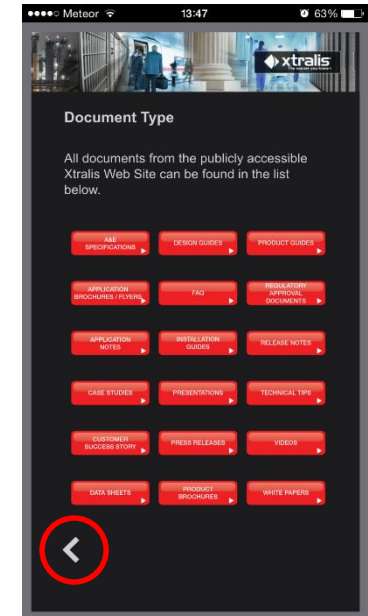
Sections – Product Line & Document Type

- When you start the *Product Line* section you will see a list of all Life Safety and Security Product Lines including
    - VESDA-E
    - VESDA
    - ECO
    - ICAM
    - OSID
    - ADPRO
    - HEITEL

- When you select any of the product lines you will go to a second page that will display a list of relevant type of documents related to that *specific* product line

- When you start the product line section you will get a similar list but for all Safety Product lines

- At the bottom of each page you will see "**<**" that you will be able to use in order to go back to the previous page

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Questions?

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