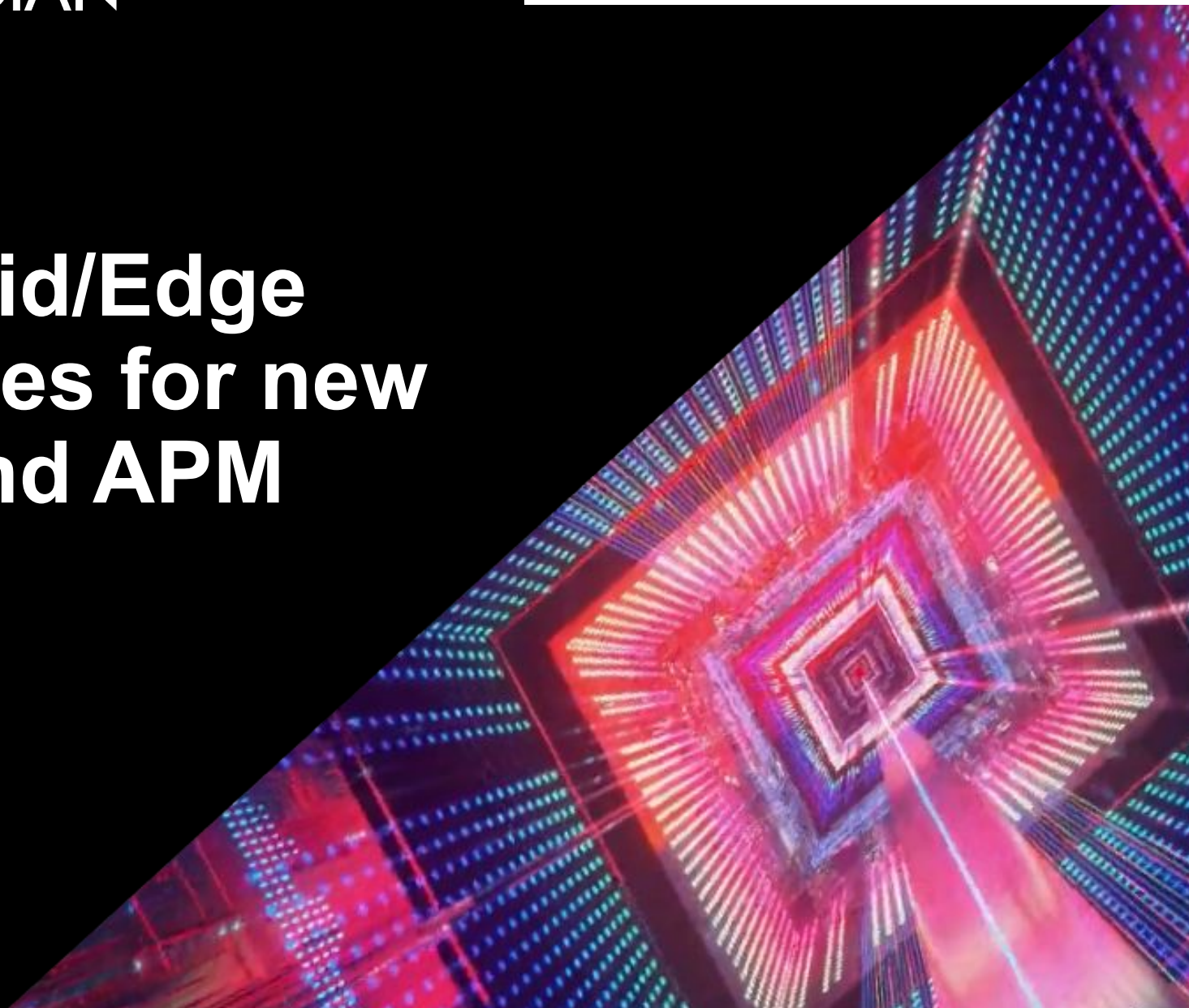


# On-prem and Hybrid/Edge Computing practices for new generation NPM and APM



# Agenda

INNOVATE WITH YOUR DATA

## Introduction

- Introduction of the workshop
- Introduction of the speaker

## Network Performance Monitoring with



- Presentation of the Skylight platform
- Accedian's claims to fame in numbers

## Turnkey Integration of market-leading solutions with

- Presentation of the Mind in a Box platform
- Mind in a Box Secure
- Mind in a Box Connect for On-Prem & Air Gap requirements

## Use Cases

## Questions?

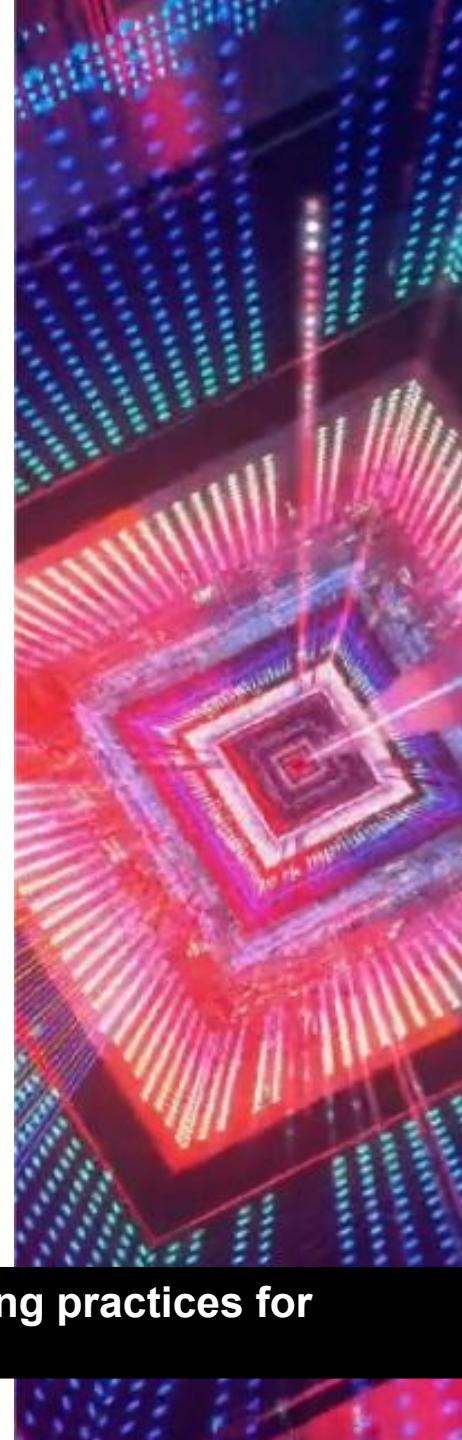




**Jérémie Farret**

CEO / CTO & Co-Founder

On-prem and Hybrid/Edge Computing practices for  
new generation NPM and APM





ACCEDIAN

# Accedian Skylight

Network and Application Performance Monitoring





# SKYLIGHT



## Skylight Performance Analytics



Actionable insights from the analysis of billions of data points, from Skylight and third-party sources leveraging AI & ML; rapid TTI (time to insight); network and application analytics & visualization

## Skylight Orchestrator



Centralized orchestration & management of Skylight sensors leveraging both local and API controls

## Skylight Sensors



Generating performance data in the most granular, precise and efficient way starts with Skylight sensors; available for all network topologies and use cases, from core to cloud

## Networks



Mobile



B2B



Hybrid & Cloud



## Skylight Performance Analytics



Micro Detail



Macro View



ML



AI

From the micro detail, the analysis of billions of data points, to the macro view and intelligence; rapid TTI (time to insight); leveraging ML and AI

## Skylight Orchestrator



Scalable



3<sup>rd</sup> Party



APIs

Centralized orchestration & management of all Skylight sensors; APIs and third party data for easy, expanded insight

## Skylight Sensors



Control



Cloud



Agent



On-premises



Modules



SFP compute



Elements

# Performance Analytics & End User Experience Experts



Established in 2005



Serving customers in  
**83** countries



**30+** Patents



**1 Million**  
Skylight Performance  
Elements deployed



**2 Billion** users on  
networks  
assured by  
Accedian Skylight



**700k** Monitored  
test points

**Used by 75%**

of the World's TOP 50 communications  
service providers

**Across all enterprise segments**

Financial • Healthcare • Cloud Services • Manufacturing  
Government • Insurance • Retail & Hospitality • Utilities & Energy



# 700+ Accedian Service Provider and Enterprise Customers...

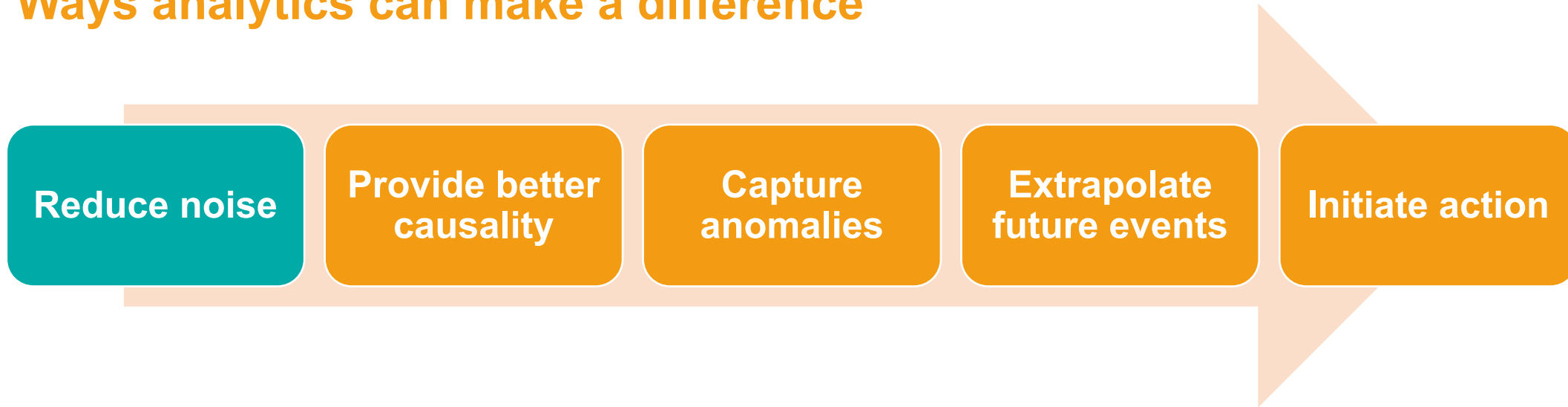


Including our service provider clients who provide connectivity to millions of subscribers around the world



# Advanced Analytics

## Ways analytics can make a difference



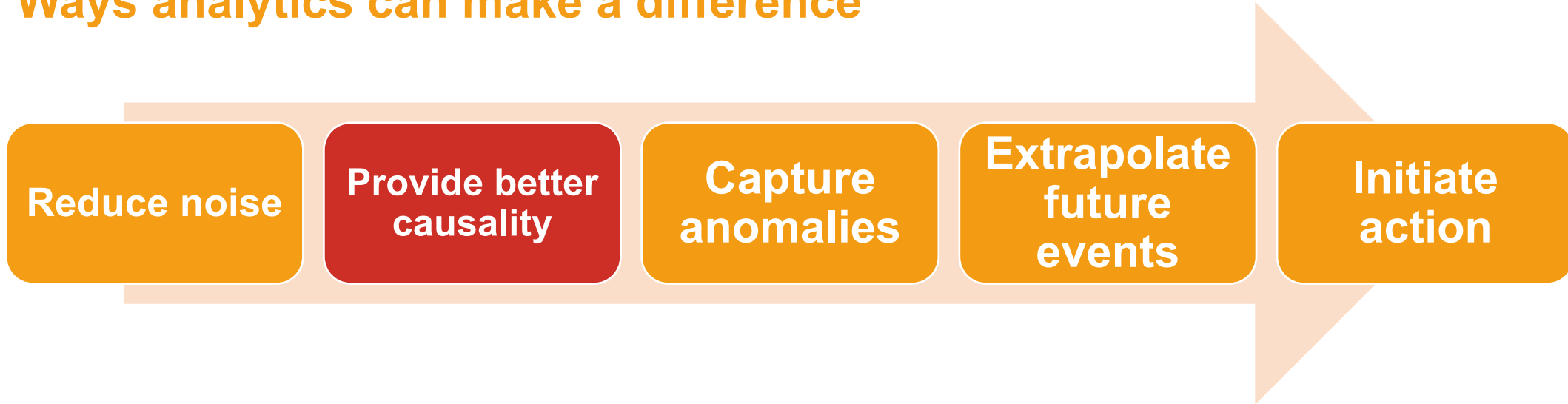
## Alert notification protection (FUTURE)

Alerts are supposed to mean something, but tend to be a little too verbose

Analytics will be introducing features to protect against adding more noise to the NOC via notification preferences, raise and clear times, alert flapping avoidance (i.e. cool down times), and topology fault isolation techniques.

# Advanced Analytics

## Ways analytics can make a difference



## Metadata correlation

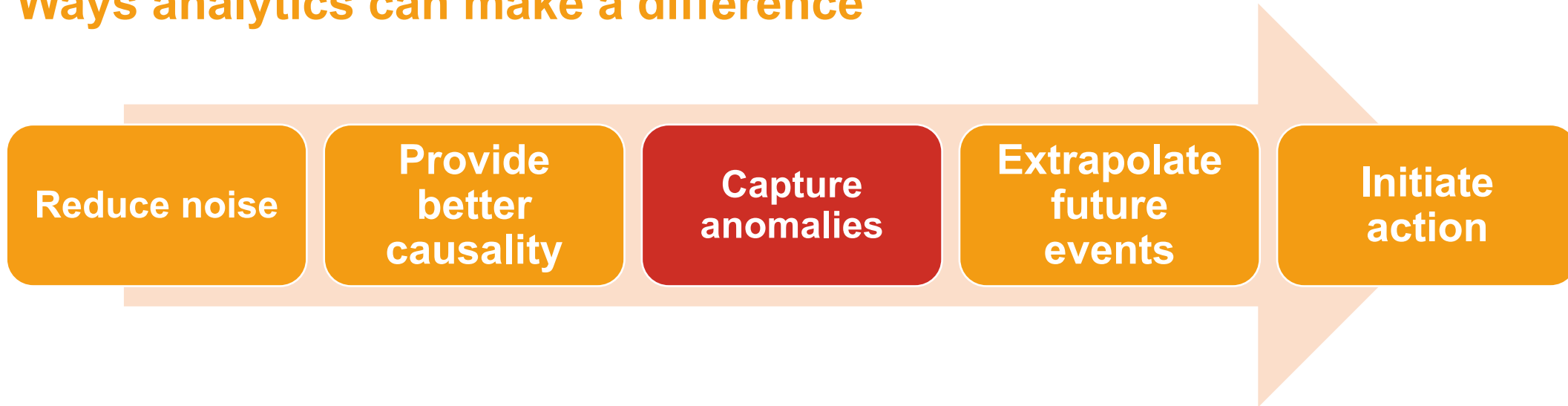
Proper tagging of monitored objects with Analytics allows for correlation across the data set to look for similarities and trends

Tools such as the Analysis module make great use of metadata to enhance investigations and find a probable root cause quickly



# Advanced Analytics

## Ways analytics can make a difference



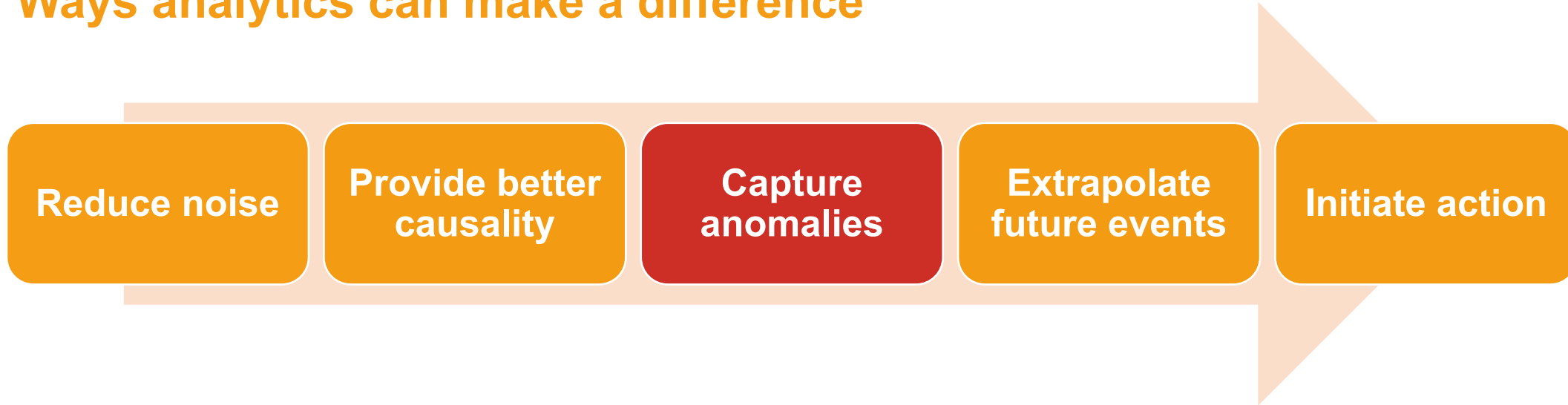
## Metric baselines and Dynamic Thresholds

Skylight Analytics will maintain the historical baseline for each metric of every monitored object in the system. This equates to understanding the hourly average for each day of the week.

Dynamic thresholds can be evaluated off of these baselines at query time as an alternative to static thresholds, which allows for observation of potential deviate behavior

# Advanced Analytics

Ways analytics can make a difference

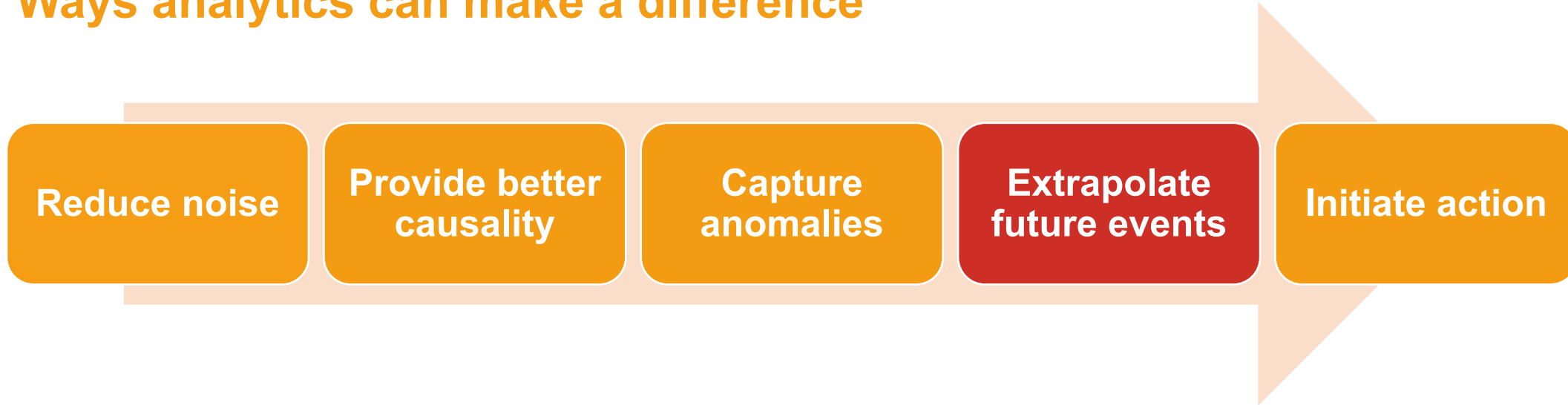


## **Anomaly detection (IN PROGRESS)**

Leveraging machine learning to constantly update its understanding of what's normal for a monitored object and proactively alert when it starts tracking outside those bounds

# Advanced Analytics

## Ways analytics can make a difference



## Prediction (FUTURE)

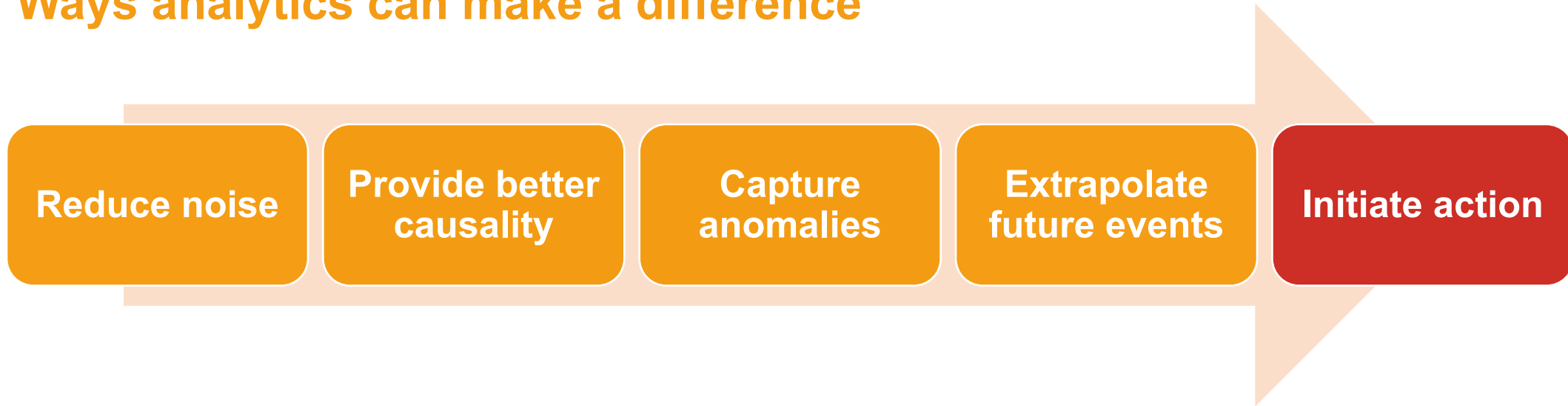
For capacity planning, Analytics will be able to use the historical baselines it maintains to track into the future (with a certain degree of confidence)

For incident avoidance, Analytics will use anomaly detection and precursor shape identification to alert ahead of time



# Advanced Analytics

## Ways analytics can make a difference



## Alert integration

Analytics generates alerts natively in MQTT format, and makes them available via an MQTT broker. External systems can be integrated and subscribe to portions of these alerts, which can enable closed loop orchestration use cases

Alternatively, alerts can be delivered in SNMP format to specific targets

Integrate them into your existing tools with Acedion

# Unprecedented Accuracy

Accedian gives you the most detailed, fine-grained insight available today



# 1 $\mu$ s

accuracy, making  
microbursts a thing of the  
past

**Outcome:** Slow is the new down...

## Don't be slow

### What happens in a microsecond?



**1 second** = 1,000,000  $\mu$ s



**350,000  $\mu$ s** = Time for a human to blink



**50,000  $\mu$ s** = G.8032 ring switch spec



**19,000  $\mu$ s** = Flap of a hummingbird's wing



**5,000  $\mu$ s** = Max one-way latency for 5G



**1,000  $\mu$ s** = Granularity of Skylight flowmeter



**30  $\mu$ s** = Latency of radio to hub site for 5G



**1  $\mu$ s** = Accuracy of Accedian Skylight

# Ultra Reliable, Ultra Flexible



When flawless user experience becomes the ultimate goal and the new normal

# 99.997%

uptime, and

# 100%

restored within SLA

Based Skylight customer analysis:

6 month analysis

800K PM sessions

1,300,320 total hours

40 outage hours due to Skylight Sensor: control

## All Service Providers

**Solution:** Fully monitor and control their asymmetric network performance, with complete reliability.

**How?:** Accedian Skylight's patented one-way and full mesh active measurement technologies for modern and legacy environments.

**Outcome:** Full flexibility in monitoring capabilities with the highest reliability on the market.





# **MIND IN A BOX**

**Best of Breed Advanced  
Analytics and AI solutions  
from the Cloud to the Edge**



# MIND IN A BOX™

Supports your digital transformation

Turnkey, cost-effective solutions,  
a proven excellence in accelerating:

- **Data Intelligence**  
(Advanced analytics & AI, including real-time and geo analytics)
- **Intelligent Networks**  
(cybersecurity, continuity of operations and quality of service)
- **Edge Computing & Edge AI**  
(including IoT & AIoT, Industry 4.0)
- **Environmental Security & Safety – EH&S**  
(Simulation and Traceability)

MIND IN A BOX™ provides its customers actionable intelligence to leverage the value and power of all their sources of data, in real-time, when and where their operations happen.

On-premises or on the Edge, with all the advantages of the Cloud, they get everything they need and pay only for what they use.



Four turnkey, cost effective solutions to jump-start your advanced analytics and AI.



# Mind in a Box™ – Value Proposition

INNOVATE WITH YOUR DATA



## SIMPLE YET POWERFUL

Turnkey solution packaging the Hardware, Software and Service, empowering everyone with instant insights at their fingertips!



## DATA SAVVY

All your Data - whatever its source and wherever it's located, we'll make it worthwhile. Bring it on!



## LEAN AND EFFICIENT

We are experts at rationalization, to offer you the best cost-performance and environmentally friendly solutions!



# Mind in a Box™ – Value Proposition

INNOVATE WITH YOUR DATA



## BEST OF BREED

You need the best - that's why we are only partnering up the best hardware and solution providers in the world!



## OPEN AND FLEXIBLE

Our Open-source DNA is your guarantee for fast to deploy, cost-effective, customizable and future-ready solutions that fit right your needs!



## MAXIMUM AVAILABILITY

Production ready, always active, always up-to-date and always watching over your infrastructure and data for maximum reliability!



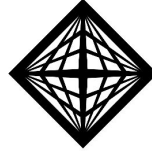
# Mind in a Box™ – Solutions and Micro Services

INNOVATE WITH YOUR DATA



## **M/B ZEN**

EDGE & ON PREM ANALYTICS,  
AS EASY AS THE CLOUD



## **M/B CATALYST**

ACCELERATING AI WITH NVIDIA  
GPUS



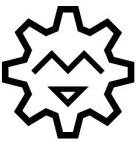
## **M/B BioTOPE**

2000+ PRE-CONFIGURED  
DATA SOURCES



## **M/B TRACK**

MOBILITY, GEOANALYTICS & GPS



## **M/B MAKE**

IOT, SMART TAGGING,  
INDUSTRY 4.0 & IPS



## **M/B SECURE**

INFRASTRUCTURE MONITORING  
AND CYBERSECURITY



## **M/B TRACE**

BLOCKCHAIN TRACEABILITY  
AND PROOF OF LOCATION



## **M/B AI+**

THE BEST OF AI, PRE-OPTIMIZED  
AND INTEGRATED FOR YOU



## **M/B FIELDOPS**

MANAGE YOUR FIELD  
OPERATIONS IN REAL TIME



## **M/B PARTNER SOLUTIONS**



elastic



splunk>



ACCEDIAN



centreon

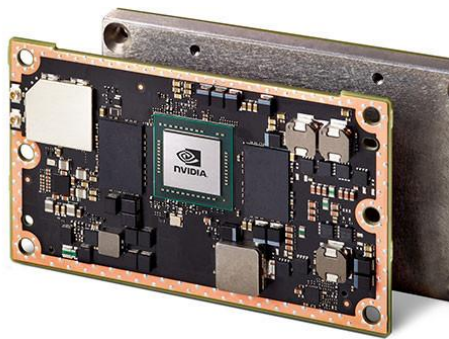
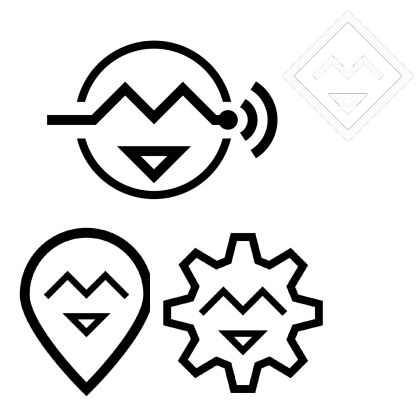


Microsoft





Thousands of pre-configured data sources  
(Machine & Manufacturing, GPS/IPS & multi-sensing,  
operations, Machine Data, Networking ...)



Nvidia Jetson



Google Coral



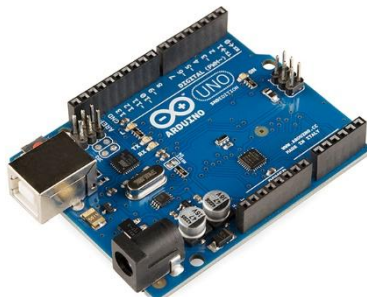
Android



Android  
Wear



Raspberry  
PI / ARM



Arduino



Particle  
(GPS)





Pozyx (IPS)



# Mind in a Box™ AI+ and BioTOPE

A powerful & integrated ecosystem



Mind in a Box™  
BioTOPE

- Your operations
- Your infrastructure
- Your equipments

Multi-sensing and/or Machine Data

**Mind in a Box™ Zen**



Big Data Ingestion  
Data curation  
Real time analytics  
Visual analytics

***One** M/B Zen = 200000+ events per second!!!*

Produces in real time

Actionable Intelligence from descriptive and predictive analytics



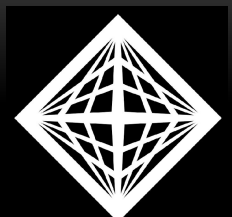
Mind in a Box™  
BioTOPE

- Your operations
- Your infrastructure
- Your equipments

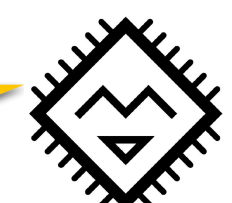
Multi-sensing and/or Machine Data

Training Data

**Mind in a Box™ Catalyst**



High performance AI/ML



*Best of breed AI Solutions, ready for use*

Produces in real time

Predictive and Prescriptive Analytics from AI

# EaaS approach, with Scalability...

INNOVATE WITH YOUR DATA

- **M/B proposes a patented approach to scalability which supports stacking up M/B appliances very effectively, making it an evolutive solution.**  
Bell Technical Solutions, for instance, architectures their Elastic and Splunk acceleration and support on 5 stacked M/B Zen, (i.e. 80 physical CPU cores and an ingestion capability over 1,000,000+ events per second).
- **No data loss or interruptions necessary to scale up on Elastic and Splunk.**



- Security
- Data Sovereignty
- Regulation
- Tracking Consumption
- Unexpected Costs
- Business Continuity

- Performance

*«Migrating the monitoring system from Virtual Machines to the Mind in a Box appliance increased our customer response time to up to 20 times faster.*

*Originally designed to be rolled out to 700, we extended it to 7,000 with a projection to scale it to more than 30,000 employees this year. »*  
(BTS, 2021)



Bell Technical Solutions





Technology



Business



Programs





# MIND IN A BOX

**Mind in a Box Secure:  
Network Perf. Monitoring  
with ACCEDIAN**



- Faster deployment & customization
- Accelerated performances, at the Edge
- Native integrations with other partner solutions
- All-in-one unified front-end
- Support & Managed Services included



## Mind in a Box – BloTOPE

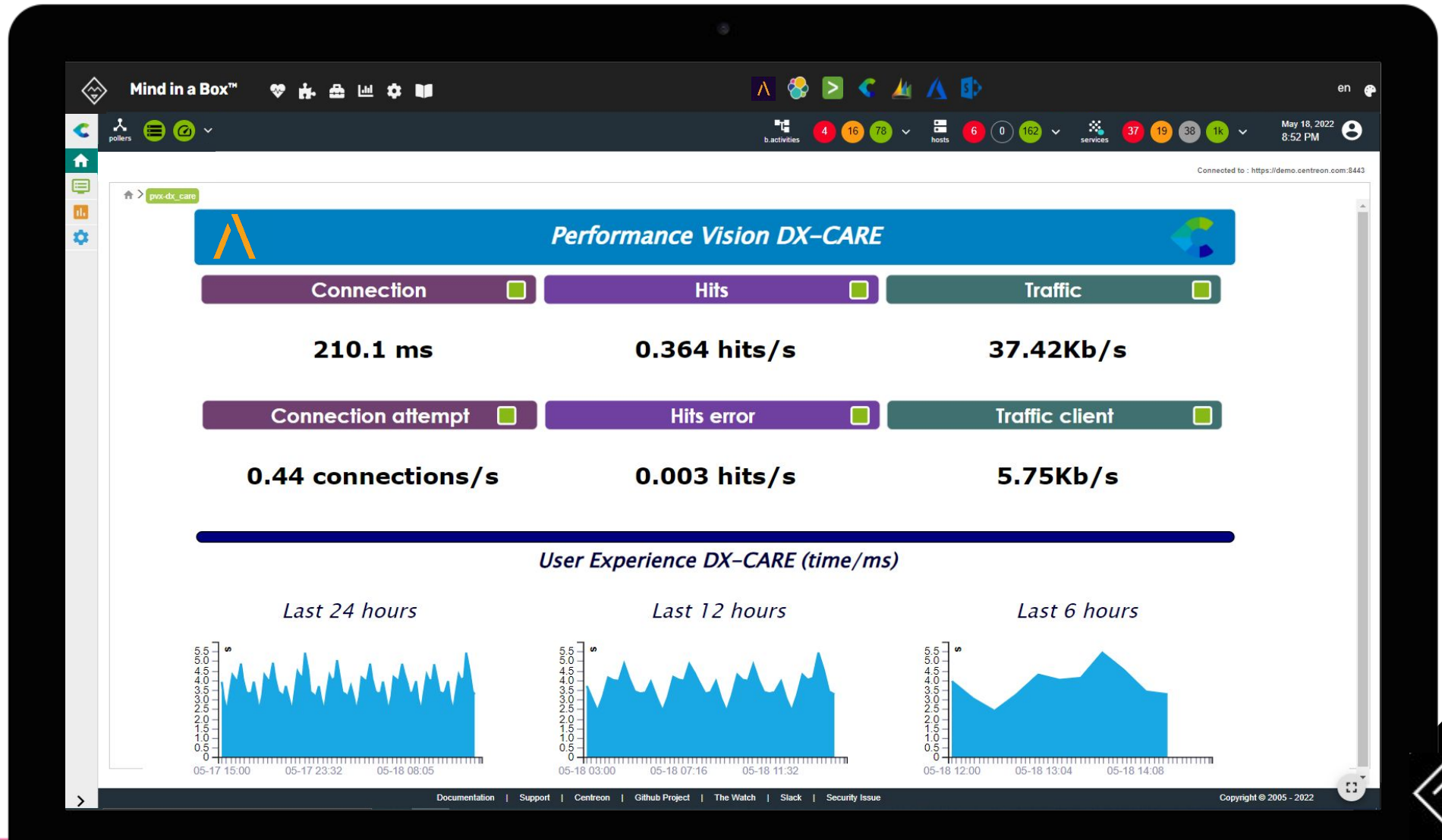
3 000+ native data sources ingestion w/ Best of Breed Network Equipment



## End User Experience-Aware IT Infrastructure Monitoring

### Turnkey and Integrated:

- Infrastructure Monitoring
- Application Performance Monitoring
- Network Performance Monitoring





**MIND IN A BOX**

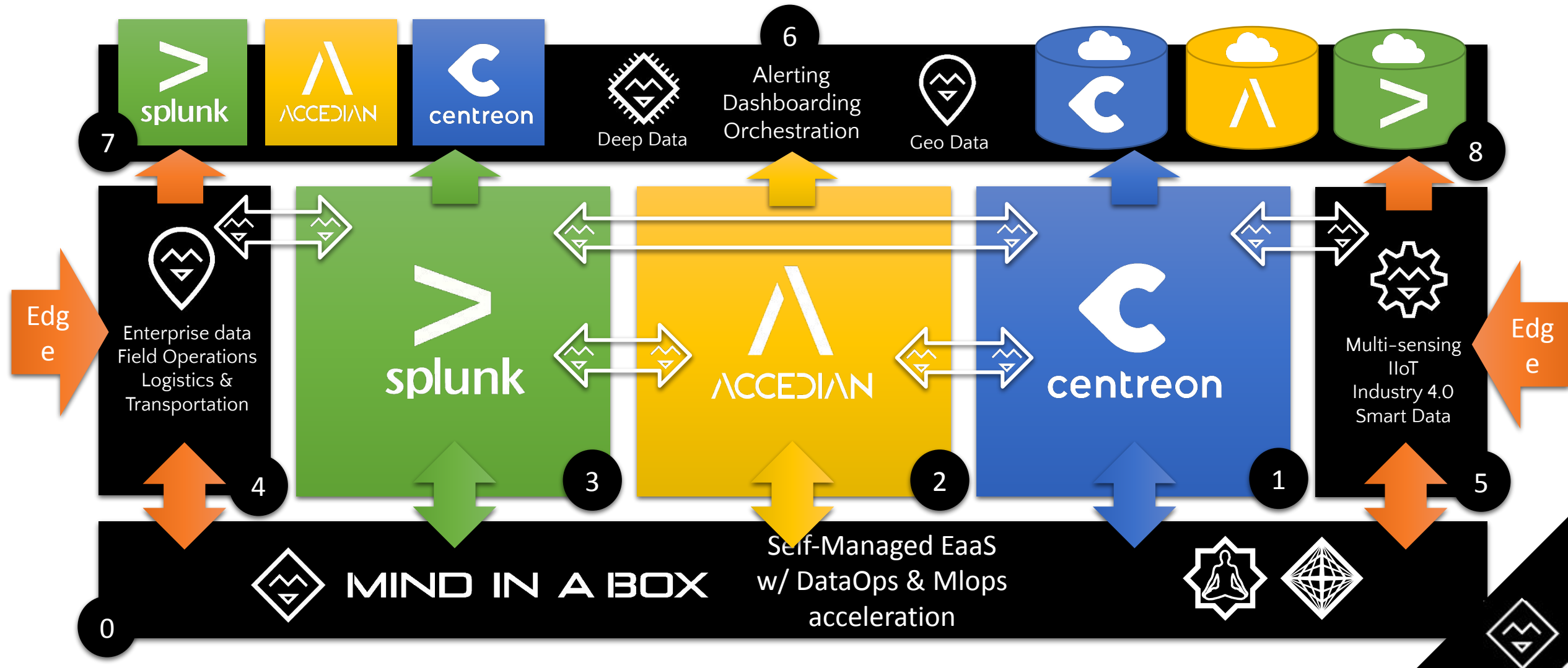
**SECURE**

**+**

**centreon ACCEDIAN splunk®**

 MIND IN A BOX +  centreon +  ACCEDIAN +  splunk>

Ultimate 360° Observability on all your Infrastructure, Services & Applications from the Cloud to the Edge - as a Turnkey, Self-Managed & Low TCO solution.





# **MIND IN A BOX**

**Need our solution to be  
On-Prem or Air Gapped?  
We can support it**

# Mind in a Box™ – Bring the Power of Skylight On-Prem

INNOVATE WITH YOUR DATA

As regulations emerge and hybrid computing practices grow, many companies keep critical workloads both on premise and the cloud. Even when using public cloud providers, businesses increasingly need to capture workloads on premise or on the edge for observability, redundancy and business continuity.

## **Edge & On-prem deployments with Mind in a Box mean you are getting more for less:**

- Better security, regulation compliant (Data Sovereignty/GDPR)
- Better performances with Skylight optimized hardware
- Lower Total Cost of Ownership (TCO) and no Unexpected Costs
- Managed services and support included

**In summary, you get all the advantages of the cloud with none of its drawbacks.**



**Let's Make a difference, Mind in a Box  
is an environmental-friendly solution!**







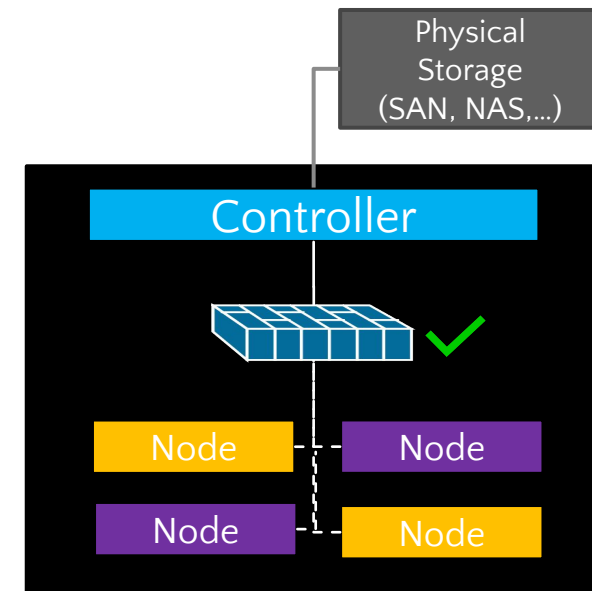
# Mind in a Box™ Keeping the solution updated in an air-gap environment

INNOVATE WITH YOUR DATA

- **Local Mirror Server**

All patches and 0-day fixes can be stored locally directly on the Mind in a Box™. They are managed by its unique controller, which is the only mirror recognized by the cluster. The files received are first kept in an isolated environment where an analysis in accordance with your security requirements is carried out before being pushed to the nodes, which will never be exposed directly.

- **Local Registry for containers images:** Mind in a Box™ also can act as a local registry for images and containers. Again, new files are first directed into an isolated environment provided by the controller to ensure compliance before being released to the cluster.





# Mind in a Box™ air-gap support options

INNOVATE WITH YOUR DATA

- **Remote Support:**

Mind in a Box and its worldwide partners can deliver remote support in about any part of the globe. Remote support (phone, email, etc.), including 24/7 support if required, can be provided, allowing our teams to troubleshoot the client in a simple and effective manner:

Client calls -> Mind in a Box support -> Sending image to resolve issues



- **Physical Support:**

Depending on the SLA, Mind in a Box and its worldwide partners can travel in order to provide direct support within the facilities of the client. Our experts are all bilingual and dedicated to provide world-class support.

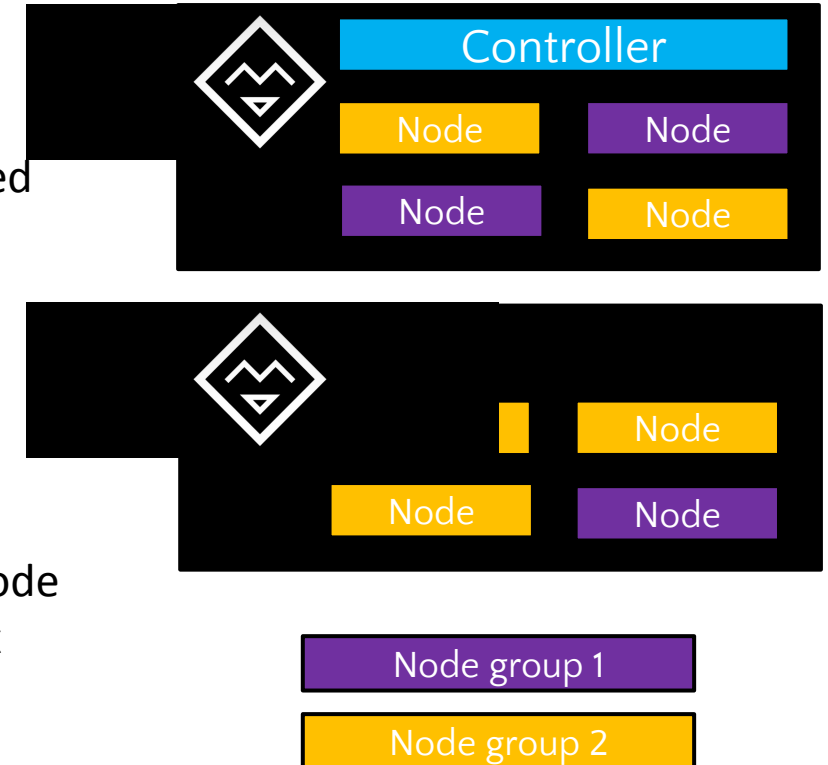




# Mind in a Box™ as an original, secure alternative to fully air-gap support options

INNOVATE WITH YOUR DATA

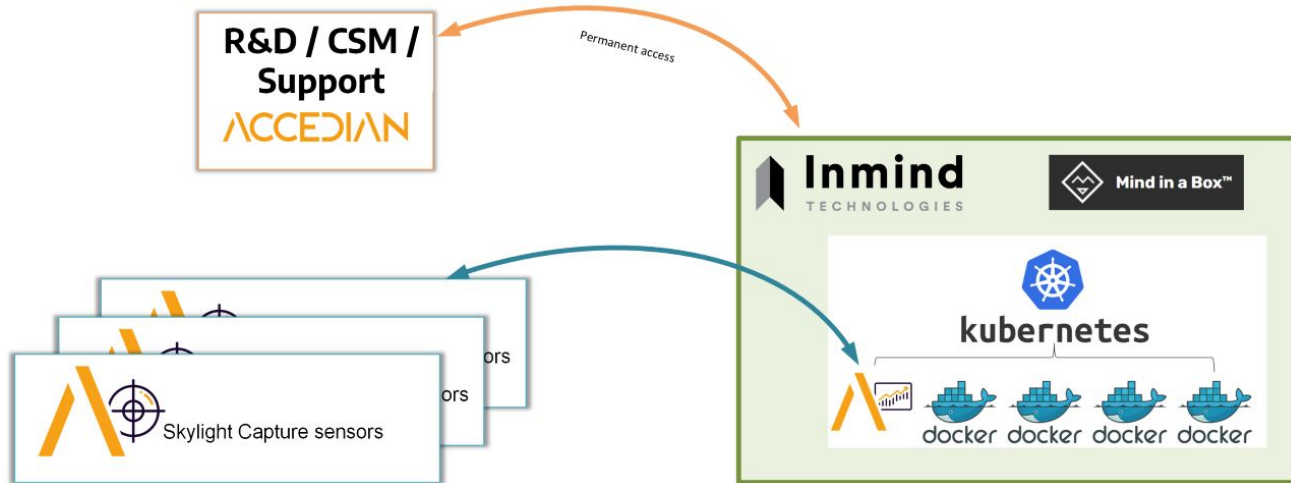
- **Mind in a Box™** 's patented databus architecture enables our customers to secure data and computations in new and innovative ways.
  - Positioned in cybersecurity and post-Quantum encryption, the integrated solutions we propose have strong security by design features which, in some case, remove the need for air-gap requirements, which have a significant impact in terms of loss of agility and cost of ownership
  - A strong network separation leveraging both SDN and hardware implementation and acceleration enables our customers to strictly separate :
    - Administration and data / processing / ingestion : The controller node is segregated from the 4 processing nodes inside the Mind in a Box Zen appliance, as well as added Mind in a Box Zen appliances for scalability purposes.
    - Between loads and use cases : The processing nodes can be strictly separated into subgroups which are separated at the OSI level 2 level, ensuring hardware enforced segregation.



# Solution Deployment and Management Scheme

INNOVATE WITH YOUR DATA

## General concept

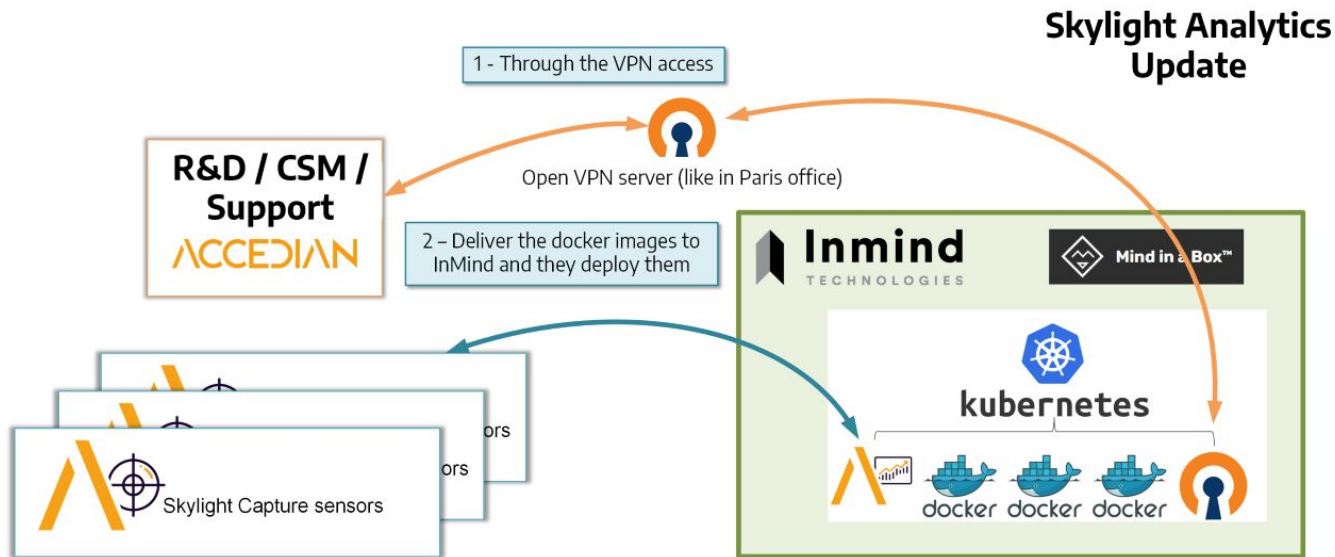


- From Accedian's point of view :  
The M/B general concept is to make everything as similar and easy to deploy and maintain as if you were on the Cloud, with a similar pricing model, while being in most cases less expensive, The integrated solution relies on, but is not limited to, Kubernetes and Docker.
- From the Customer's point of view :  
The solution is not on the Cloud but on premises to meet their regulatory or applicative requirements. However, Mind in a Box aims to provide the same user experience as the Cloud.



# For the Skylight Solution Updates

INNOVATE WITH YOUR DATA



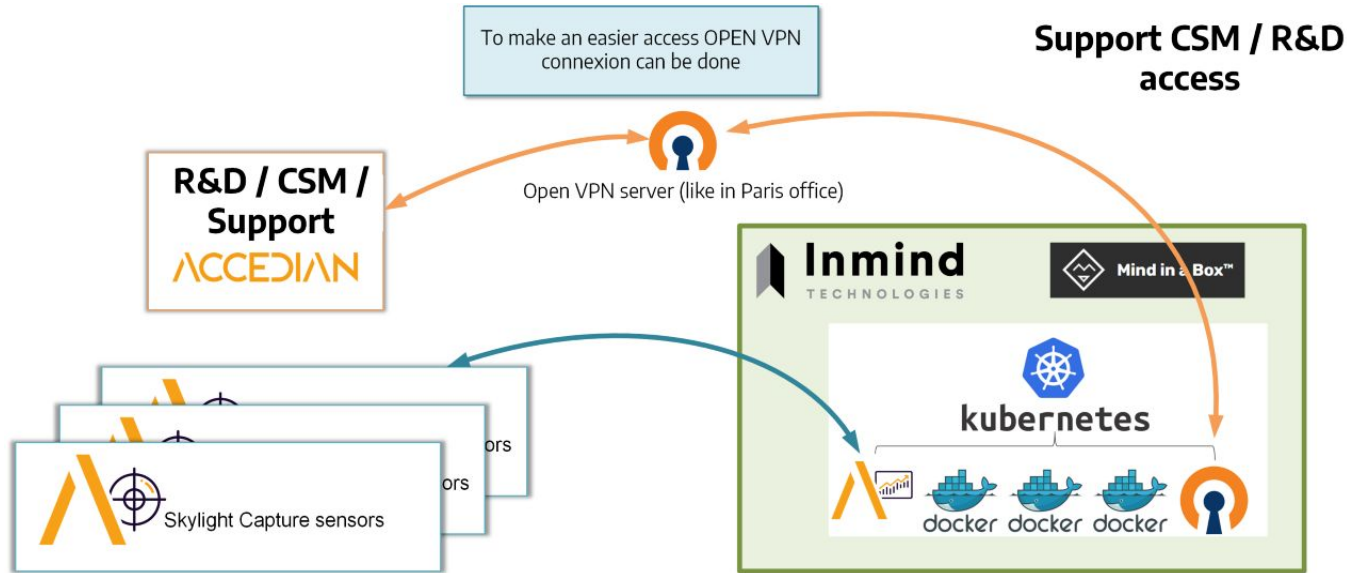
M/B deployment can be done remotely or physically on-premises depending on the situation.

- With AWS or HPE infrastructure solutions, Accedian would be left on its own to validate and test specifically for on-premises deployment AND for the hosting infrastructure context at each customer.
- With M/B, we support you all the way:
  - You make your image / Docker
  - We take care of the rest: testing (According to your needs), optimizing, deploying (Internet, local network, physical)
  - If you want access, you get it: direct console access is possible, even at the nodes level using Intel Active Management Technology.



# For the Skylight Solution Support

INNOVATE WITH YOUR DATA



- As a POSIX-compliant (Linux) integrated solution, M/B can integrate a great number of protocols to support remote access. But specifically, SSH terminal-based connection and VPN access are secure, popular ways to remotely connect to our appliance.
- We could use an Open VPN connection. If your infrastructure does not have VPN connection capabilities already deployed, the M/B integrated solution can host its own VPN server, thus facilitating a secure access on-premises.







## Specifications:

Case: 1U format

CPU: 64-Core (Intel Xeon)

RAM: 640GB DDR4

Storage: OS: 2 x 1TB U.3 NVMe SSD (1TB usable)

DATA: 64TB U.3 NVMe SSD (32TB usable)

## Operating Properties:

- *Operating temperature: 10°C to 35°C*
- *Operating humidity: 8-80% (non-condensing)*
- *Non-operating temperature: -40°C to 60°C*
- *Non-operating humidity: 20%-95% (non-condensing)*





# MIND IN A BOX

Use Cases



## Bell Technical Solutions

«Migrating the monitoring system from Virtual Machines to the Mind-in-a-Box appliance increased our customer response time to up to 20 times faster. Originally designed to be rolled out to 700, we extended it to 7000 with a projection to scale it to more than 30 000 employees this year. »

*BST-2021*





TM

MIND IN A BOX  
360°

LEAD WITH A COMPLETE 360°  
VIEW OF YOUR OPERATIONAL  
AND CYBERSECURITY DATA



# Mind in a Box™ - Bell Technical Solutions

Track & Trace, Mobility and Multi-Sensing



**Bell Technical Solutions** or **BST** is a subsidiary of Bell Canada, with 8.7 million subscribers in 2016.

BST specializes in Bell Canada's repair services, including telephony, Internet and television IPTV services.

## Problematic and Needs

- **Connect Project** : Contact technicians, communicate with them (QC/ON/MB)
- Needs in Operational Monitoring
- Needs in Visual Analytics
- Needs in Reporting and Business Intelligence
- Cybersecurity and data governance
- Support of + 30,000 accounts, 10,000 active users and + 415 GB of shared data / day

## The solution

- Historically at BST, IBM tool suite: Qradar, Tivoli. Inmind has improved this by replacing them with **Open Source** solutions.
- Elastic: For operational supervision (number of users, type of devices, use of devices, geolocation of access, data seasonality, predictive and prescriptive analysis).
- Mind in a Box: Edge and Fog Computing turnkey solution for 20x more performance than virtualization, more stability, and to accelerate Splunk and Elastic software solutions.
- Splunk : SIEM and SOC. Crossing security information with operational analytics (+ Machine Learning). Automatic sensor system detects capacity breakdowns / failures and prevents service discontinuities. Using Splunk and **Mind in a Box**.

## Results

- The social network "Project Connect" is running, strong adhesion.
- Monitoring in 3 provinces and tens of thousands of devices.
- More security, and possibility of triangulation of VPN access.
- Ergonomic and personalized visual geoanalytics.
- Creation of business intelligence and prescriptive analysis.
- Better performance and reliability at a lower cost.

[Download the complete case study](#)



## Stack



Mind in a Box™



M/B Track™



M/B Secure™



Microsoft



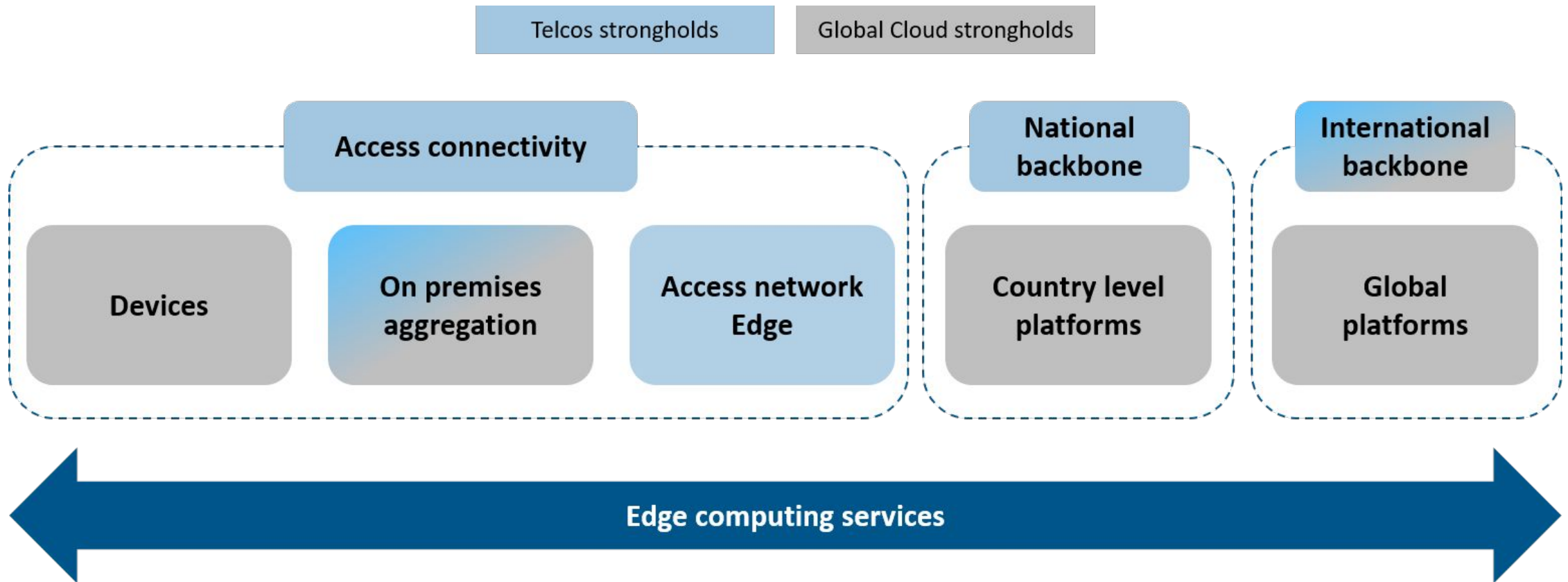
splunk>



elastic



# Edge in the Cloud and Telco infrastructures



Source – Delta Partners Group



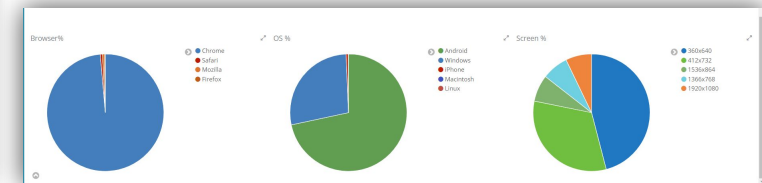
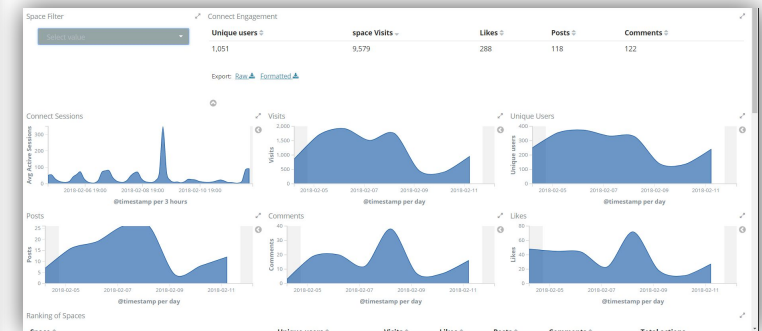
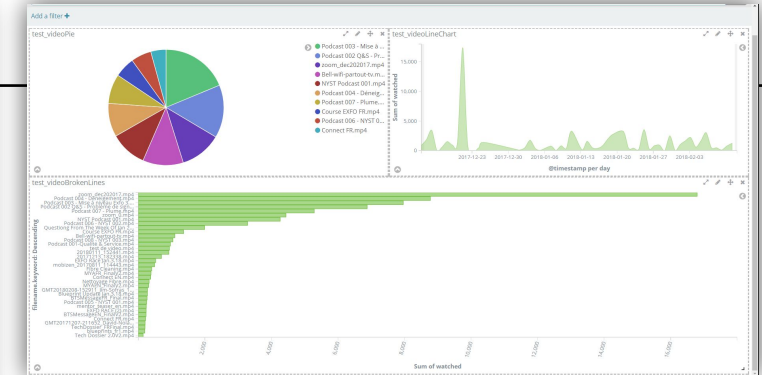
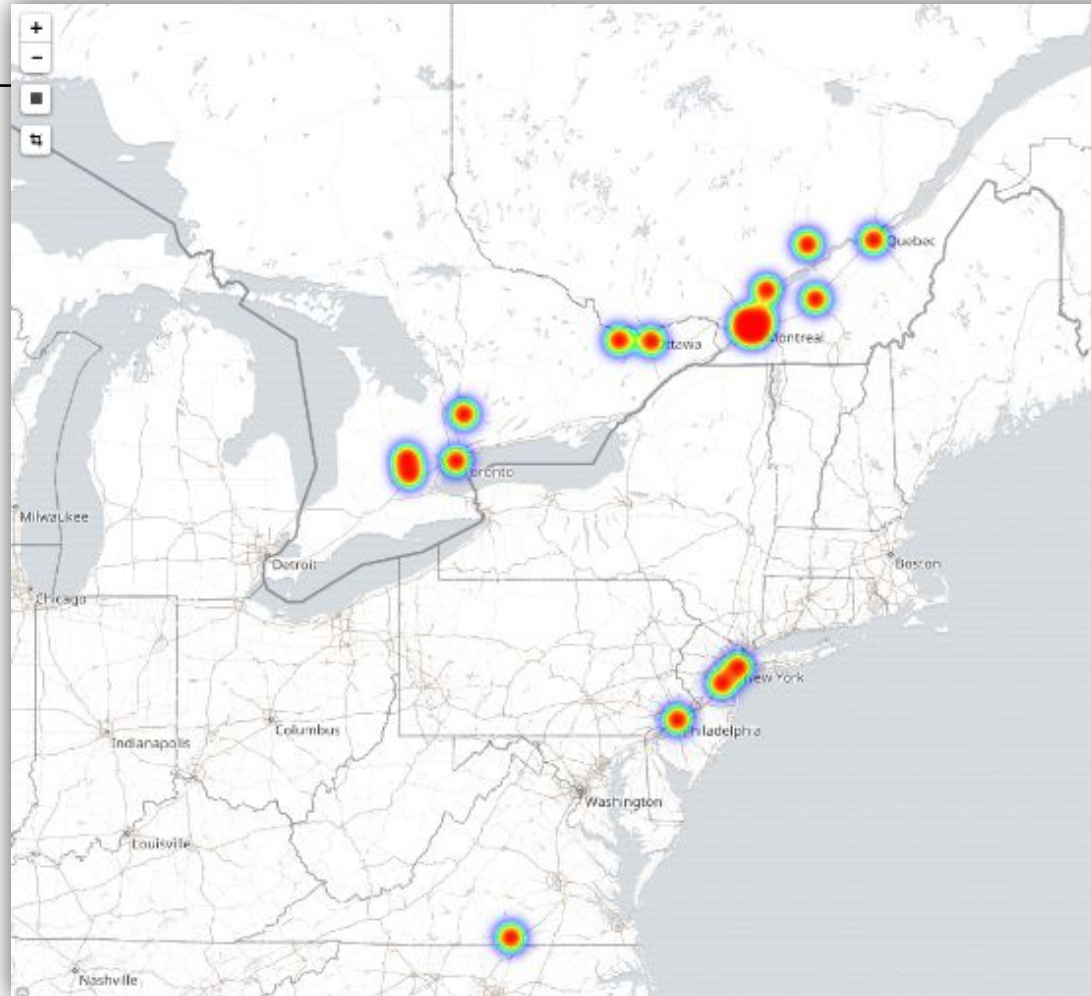
# Mind in a Box™ - Bell Technical Solutions

Track & Trace, Mobility and Multi-Sensing



elastic

splunk>





# Mind in a Box™ - Bell Technical Solutions

Track & Trace, Mobility and Multi-Sensing



## New Search

Save As Close

```
| tstats summariesonly=true count FROM datamodel=ftnt_fos where nodename="log.utm" log.utm.gseverity!=" log.devname="*" log.vd="*" log.subtype="*" log.srcip="*" log.dstip="*" log.dstport="*" GROUPBY _time log.utm.gseverity | timechart values(count) by log.utm.gseverity
```

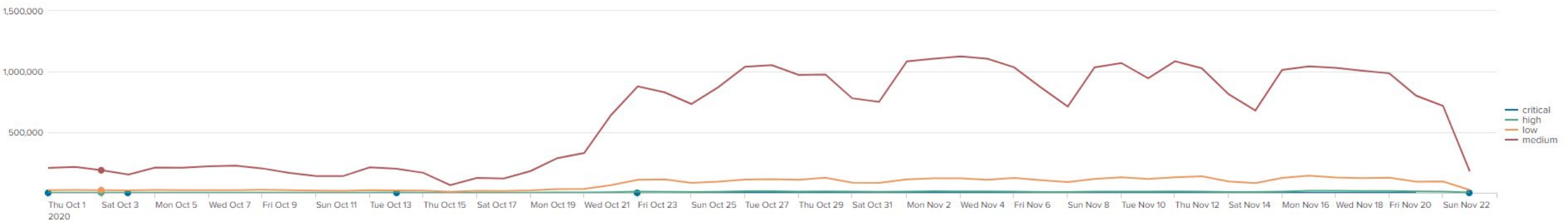
Since 10/1/20

✓ 38,260,285 events (10/1/20 12:00:00.000 AM to 11/23/20 8:50:41.000 PM) No Event Sampling

Job || | ↻ ⏏ ⏴ ⏵ ⚡ Fast Mode

Events Patterns Statistics (54) Visualization

Line Chart Format Trellis





# Bell

Inmind and ScaleAI are mandated to optimize Bell Canada's in their operations to install the country's next-gen infrastructure through the use of the latest AI and Advanced Analytics technologies.

# Extending an order's life cycle through AI

## The Challenge

Bell Business Markets (BBM) offers a wide variety of communications technologies to Canadian businesses, including broadband connectivity through fibre. To meet market expectations, the project aims to reduce installation time for new fiber optic connections by accelerating several steps in the supply chain with artificial intelligence solutions.

Ariel Quintin, VP Transformation Sales and Services BBM:  
"Bell is one of the largest investors in research and development in Canada and we are proud to collaborate with Scale AI to facilitate access to the best connectivity technologies for Canadian businesses."

Jérémie Farret, VP Advanced Analytics and AI at Inmind Technologies: "Inmind is pleased to put its expertise in AI and its hardware acceleration solution Mind in a Box™ to the benefit of this innovative collaborative project, which will be of great benefit to the Canadian economy. »



# Overview of the BI Program to Deploy AI Solutions

DEPLOYED

ON TRACK

AT RISK

WON'T DELIVER IN '20

NOT PRIORITIZED

AI SOLUTION DESCRIPTION		2020 TIMELINE												STATUS	
DEPLO YED		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
	<b>CPM Accounts Automated Approvals</b> <ul style="list-style-type: none"><li>Process evaluates 3.3M accounts against 77K Golden Keys (4 days runtime!!!!)</li><li>90% of new accounts are approved automatically via AI. Deployment of Customer Naming Tool should move us to 99% automation.</li></ul>														
2020	<b>Intelligent Email Routing</b> <ul style="list-style-type: none"><li>A component of the intelligent routing program</li><li>Using natural language processing on work request emails to enable correct agent routing, limiting and eventually eliminating the need for WLCs to intervene in routing.</li></ul>														
	<b>Next Best Collections Action</b> <ul style="list-style-type: none"><li>Active development was paused to resource COVID collections task force</li><li>Nonetheless, determining early signals for Insolvency will prove beneficial to help the AI prioritize resource intensive Actions and adjust 'soaking' time between actions for at-risk orgs.</li></ul>														
	<b>Provisioning Automated Response</b> <ul style="list-style-type: none"><li>Consolidating communications channels and auto-replying to customers &amp; internal stakeholders with standardized response templates.</li></ul>														
	<b>OLCM SDD Predictor</b> <ul style="list-style-type: none"><li>Focusing on Complex Orders and minimizing error rates to 25%</li><li>Next Steps:<ul style="list-style-type: none"><li>Technical: Improve algo with extra features (customer metadata, etc...)</li><li>Policy: Define predictions U/L boundaries, customer comm.</li><li>Process: Formalize customer comm. process for longer predictions</li></ul></li></ul>														
	<b>OLCM Jeopardy Predictor</b> <ul style="list-style-type: none"><li>Predicting if a provisioning order will fall into jeopardy.</li><li>Next Steps:<ul style="list-style-type: none"><li>Technical: Adapt SDD Predictor foundation to predicting jeopardies</li><li>Process: Create jeopardy mgmt. function; ensure tasks are actioned</li></ul></li></ul>														
	<b>Network Build Type Predictor</b> <ul style="list-style-type: none"><li>Using machine learning to predict the time required to resolve an incident.</li><li>This information will be used to determine the risk of a SLA miss.</li></ul>														

Planning & DesignDevelopmentTestingDeployment

IN-SCOPE FOR SCALE AI



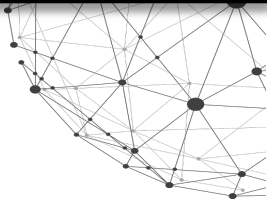


Mind in a Box monitors PT. Telkom's End-User Experience through Network Performance Monitoring on an infrastructure supporting +120M users countrywide

**ERADI**

**ACCEDIAN**





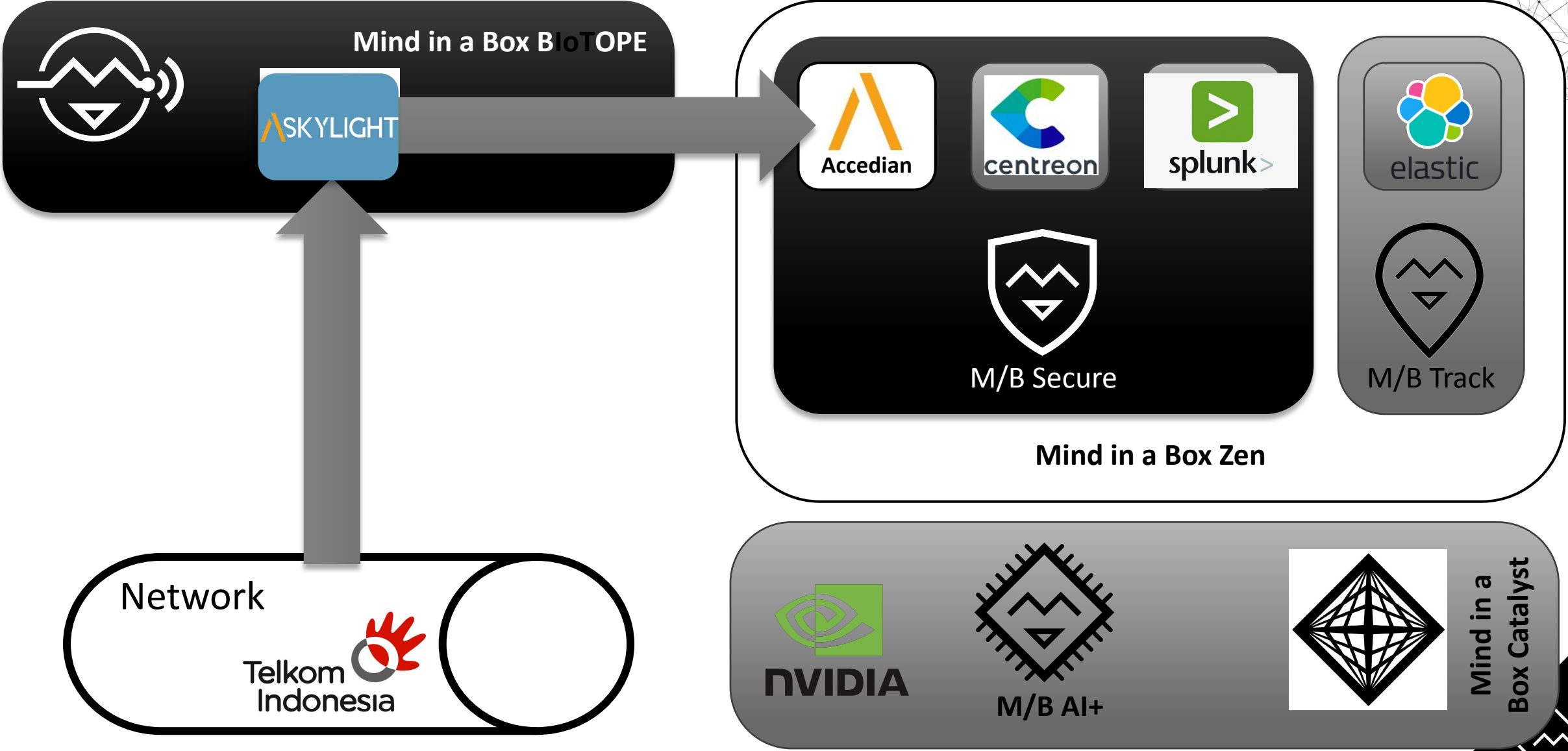
Mind in a Box signed a deal through its local partner PT Eradi Teknologi Digital with PT Telkom Indonesia, a first-tier telecommunication company, to implement leading Network and Application Performance Monitoring Solution (NAPM) : M/B Secure. The goal of this first phase is to ensure the continuity of operations and quality of service of PT. Telkoms's network in its Regional Division in Bandung, West Java. Following this first deployment, PT. Telkom is projecting a general rollout of Mind in a Box's technologies to cover the entirety of its network infrastructure in the country, as well as to leverage the processed data for Advanced Analytics and Artificial Intelligence applications.





# Mind in a Box™ - PT. TELKOM

End-User Experience Monitoring on a large-scale





Kingdom of Saudi Arabia





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# Questions?

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Feel free to reach out to us by email for any question!

