

YOU MUST YEILD RELIABLE DATA TO DRIVE TRASTWORTHY AI FOR IIoT

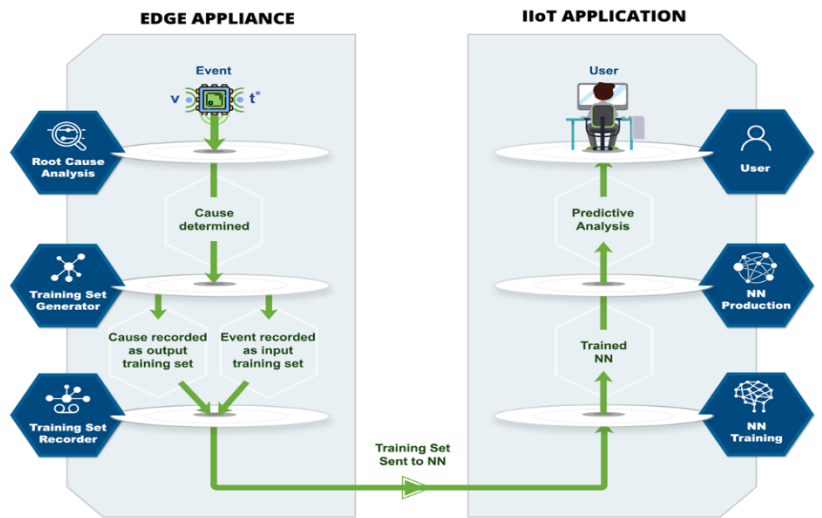
Hey Enterprises and VARs!

The industrial IoT systems become more pervasive and require a multitude of analysis to drive the outcome for processing mission-critical applications. When it comes to all things predictive, it involves training of AI system which is fed on enormous amount of unstructured data and... manual labor.

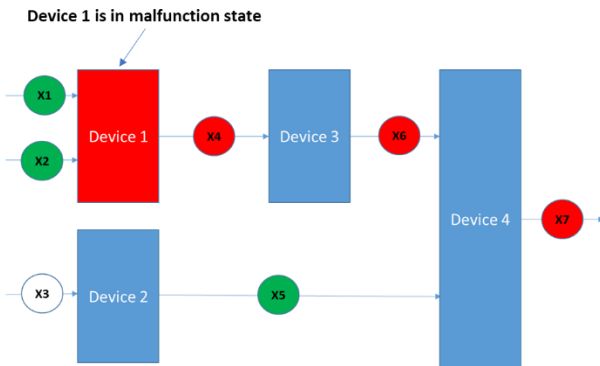
For example, it is IMPRATICAL to:

- a) train data sets for AI banking on barrage of repetitive, incoherent and irrelevant events in the logical enclosure of connected devices. Moreover, over 50% of events come from mis-configured devices and “noisy” sensors that must be “tuned”
- b) generate AI training set using manual error-prone labeling
- c) depend on AI models for real-time analysis

Vixtera IIoT Edge uses patented algorithms performing it closer to devices providing for real-time failure analysis and utilizing cause of failure for auto-generation of AI training data sets. It accurately pinpoints a problem and allows to alter it in real time while providing reliable labeling source for AI learning. Thus, it drives consistently-good quality data for variety of predictive applications and services.

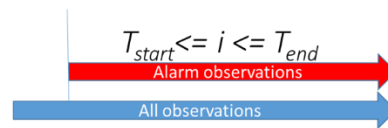


Cause determined by Root Cause Analysis (RCA) algorithm



Cause recorded as output for training set

Root Cause Vector contains data from sensors (X1, X2, X4, X6, X7) collected as a result of RCA in i -moment of time.

$$\vec{Y}_{RC}^T = \begin{bmatrix} Y_1^i \\ Y_2^i \\ Y_4^i \\ Y_6^i \\ Y_7^i \end{bmatrix}$$


Vixtera is developing IIoT edge software and delivering integrated solutions for the industrial mission-critical applications

