



TAIBOM – Engineering Trustworthy AI

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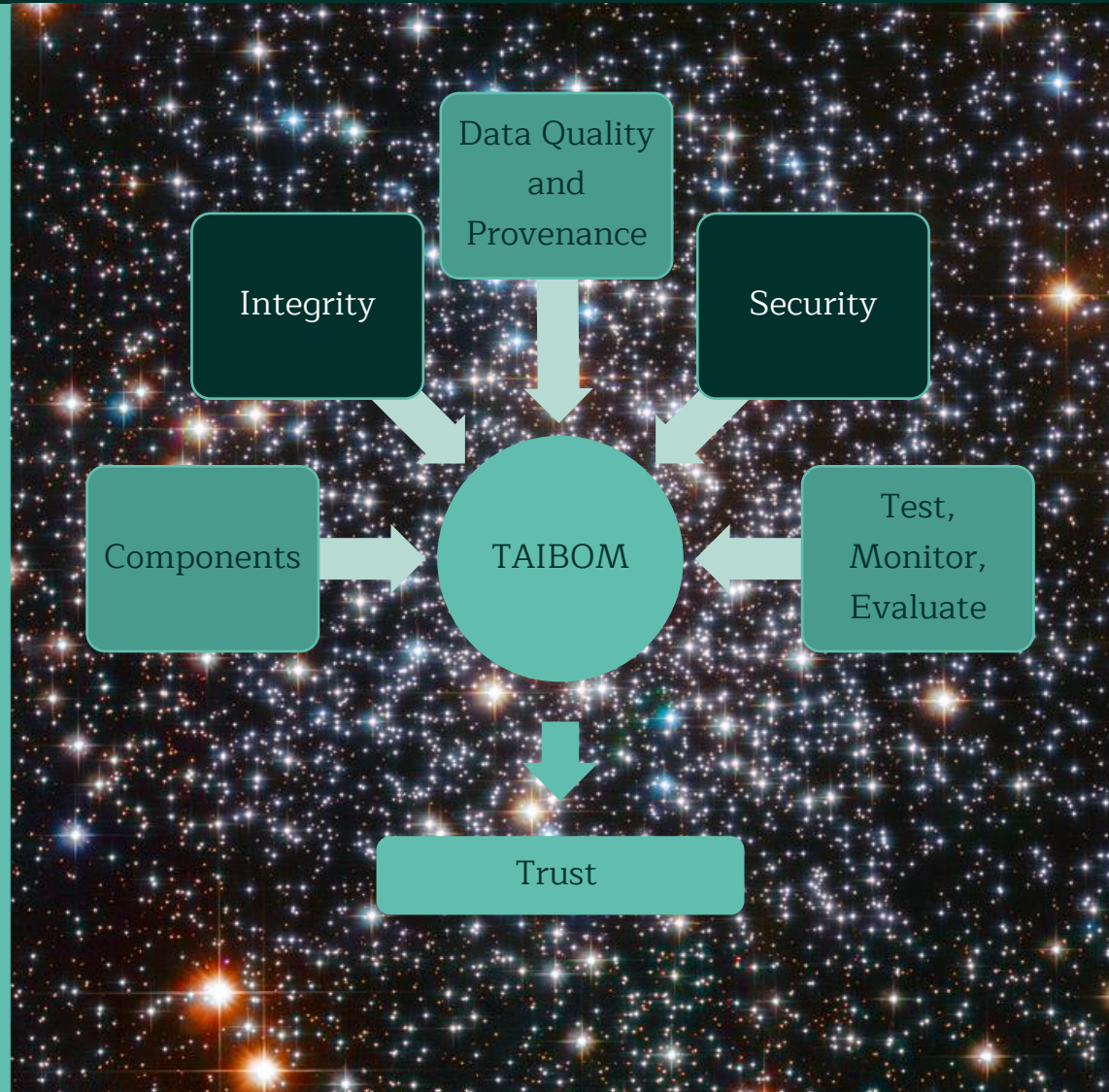


How do we Engineer Trustworthy AI Systems?

We at least need to know the **complete set of system components**

We need to know their **provenance**

We need to be sure they are **immutable**





Addressing the Challenge

TAIBOM (Trusted AI Bill of Materials)

directly addresses this challenge by providing:

- A method of defining and ensuring the immutable properties of a complete but complex AI system - defining a stable AI system.
- A method of making and evaluating claims about the trustworthy attributes of a stable AI system and its constituent parts.

TAIBOM STANDARD

A way to describe
trustworthiness
assertions

TAIBOM SOFTWARE SUITE

Commercial tools for
making and
publishing AI
building blocks



Working Structure



Fixed scope
Tight deadlines
Well resourced

nquiringminds
COPPER HORSE
TechWorks
bsi
BAE Systems

Inputs – open working practices



Broader review and inputs

AESIN IOT Security Foundation nmi TechNES POWER ELECTRONICSUK

Potentially broader in scope.
Wider participation.
Flexible deadlines.
Resourced from members.



TAIBOM Automotive Test Models and Applications





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Thank You

