

COALA Digital Intelligent Assistant (DIA) - Technical Features

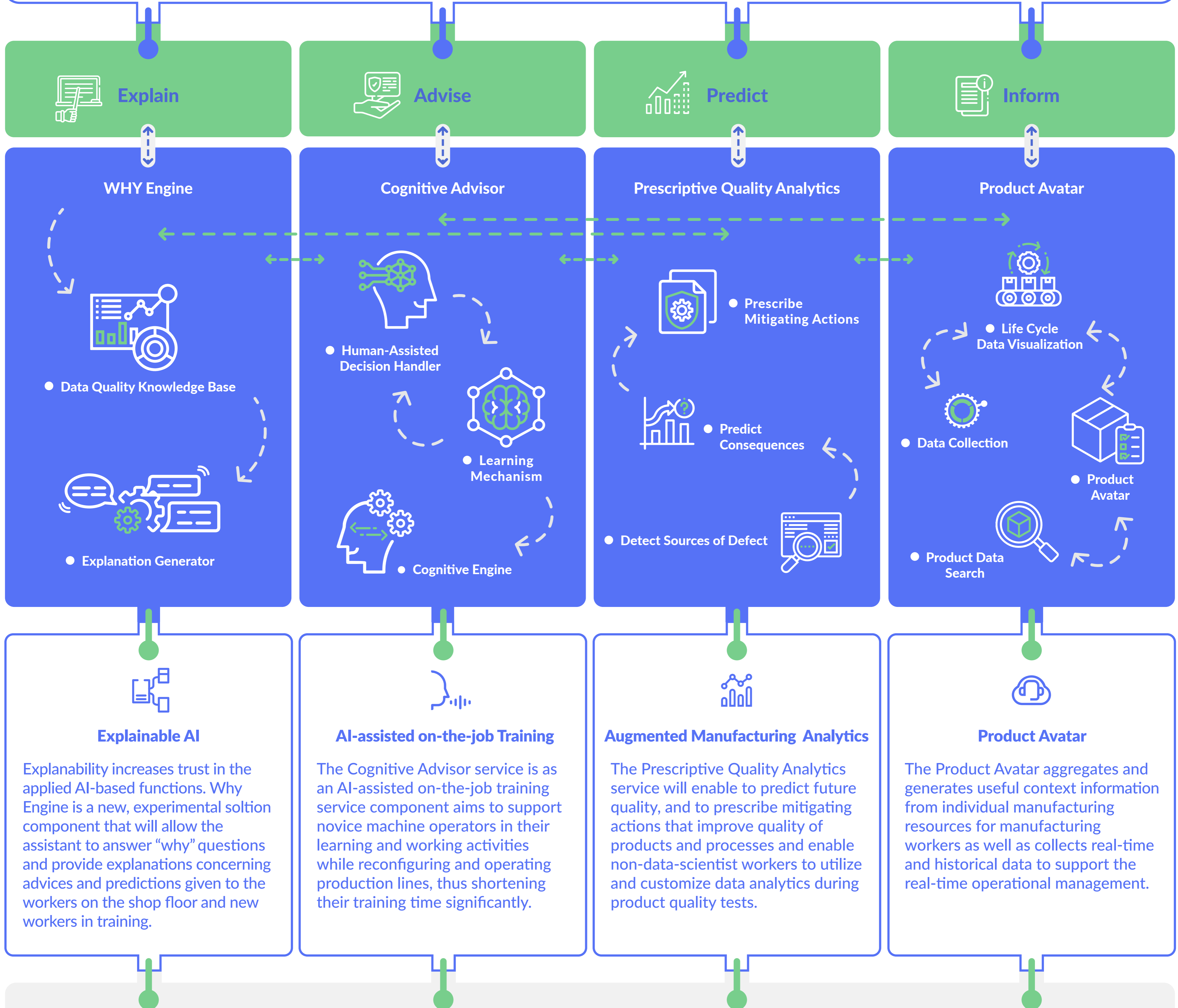


Digital Intelligent Assistant Core

The Digital Intelligent Assistant Core is at the top of COALA solution and represents the intelligent, voice-enabled, mobile user interface with reliable language processing, mobile usage, and secure integration in the production IT landscape.

The Digital Intelligent Assistant Core is based on the open source, privacy focused assistant, Mycroft, and will feature four actions: Explain (to build trust), Advise (to help users perform their tasks), Predict (to inform about future events), and Inform (to provide facts and resource status).

Mycroft's existing functions will be extended to meet manufacturing requirements, such as time criticality, reliability when dealing with factory noise, safety when giving advice to workers and security in business environment.



System and Data Security

The COALA solution supports a set of security, personal data protection and privacy-preserving services that will be embedded throughout the entire operational lifecycle of the solution and will capture the diverse data and user requirements for resilience and trustworthiness. Besides that, COALA solution considers not only technical, but also specific requirements such as safety, quality and ethics complying with the EU Ethics Guidelines for Trustworthy AI.

