

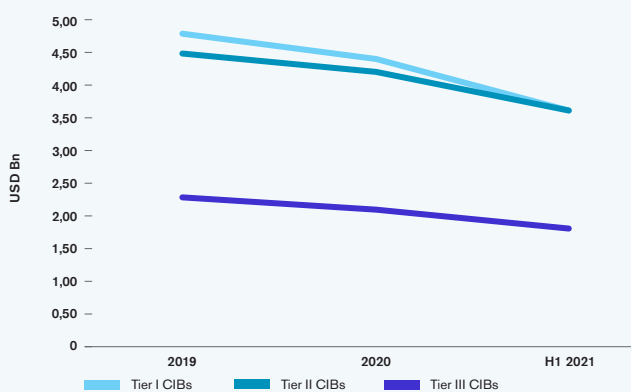
DIGITAL TRANSFORMATION: ARTIFICIAL INTELLIGENCE APPLICATIONS & USE CASES IN INVESTMENT BANKING 2022

A FRAMEWORK FOR IDEATING & QUALIFYING SOLUTIONS TO SOLVABLE PROBLEMS CREATED BY MACHINES

In 2022, the financial services industry at-large – and the CIB wholesale capital markets industry, specifically – is awash with projects that allow distinct types of software applications to produce analytical outputs and other outcomes akin to those that would be associated with an AI. However, the extent to which these AI projects within CIBs are succeeding or failing – for example, in terms of creating cost savings or creating competitive advantages – remains unclear.

BUSINESS OBJECTIVES

Achieved Cost Savings



The 168 CIBs analysed for this report created an estimated USD 31bn in personnel-related cost savings linked to spending on AI solutions.

AI APPLICATIONS USE CASES



This report identifies **24 Financial Crime Prevention** vendor applications that demonstrate degrees of functional capabilities sophistication using AI approaches



This report identifies **16 Post-trade Automation** vendor applications that demonstrate degrees of functional capabilities sophistication using AI approaches

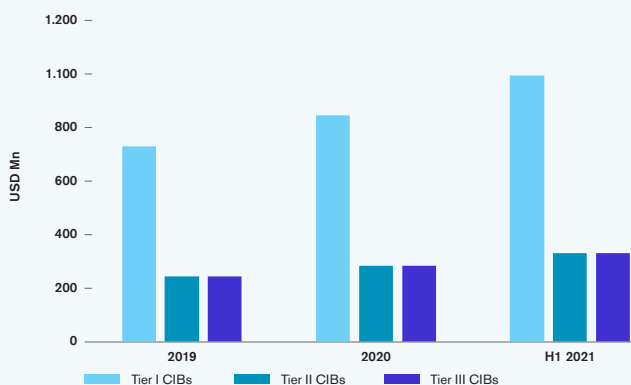


This report identifies **26 Buy & Build Trade Automation** vendor applications that demonstrate degrees of functional capabilities sophistication using AI approaches



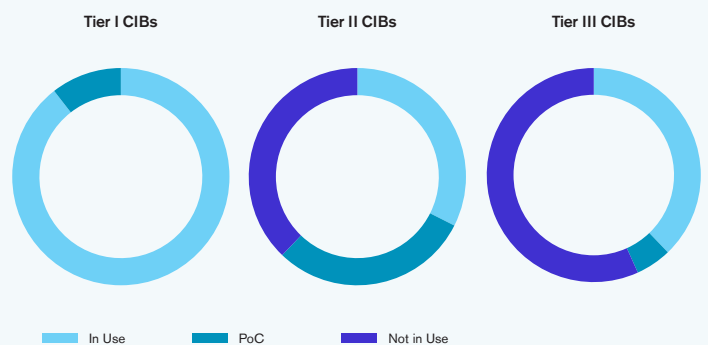
This report identifies **24 Intelligent Automation** vendor applications that demonstrate degrees of functional capabilities sophistication using AI approaches

Intelligent Automation Solutions Spending



Tier I CIBs did not begin spending more than 1% of their net income on AI solutions until H1 2021.

Front-office Trading & Risk Management AI Usage



The extent to which Tier I vs. Tier II vs. Tier III CIBs 'experiment' with AI solutions versus either running live implementation projects or never use the technology varies on a tier-by-tier and AI use case-by-use case basis.

BUSINESS DRIVERS

ENABLING FACTORS

For more information please visit: [greyspark.com](https://www.greyspark.com)



To aid the resolution of the frequent occurrence of such misalignments, this report details a GreySpark framework to support AI applications use case ideation processes such that they can be qualified before they are fully developed to maximise the potential of a successful implementation or integration effort.