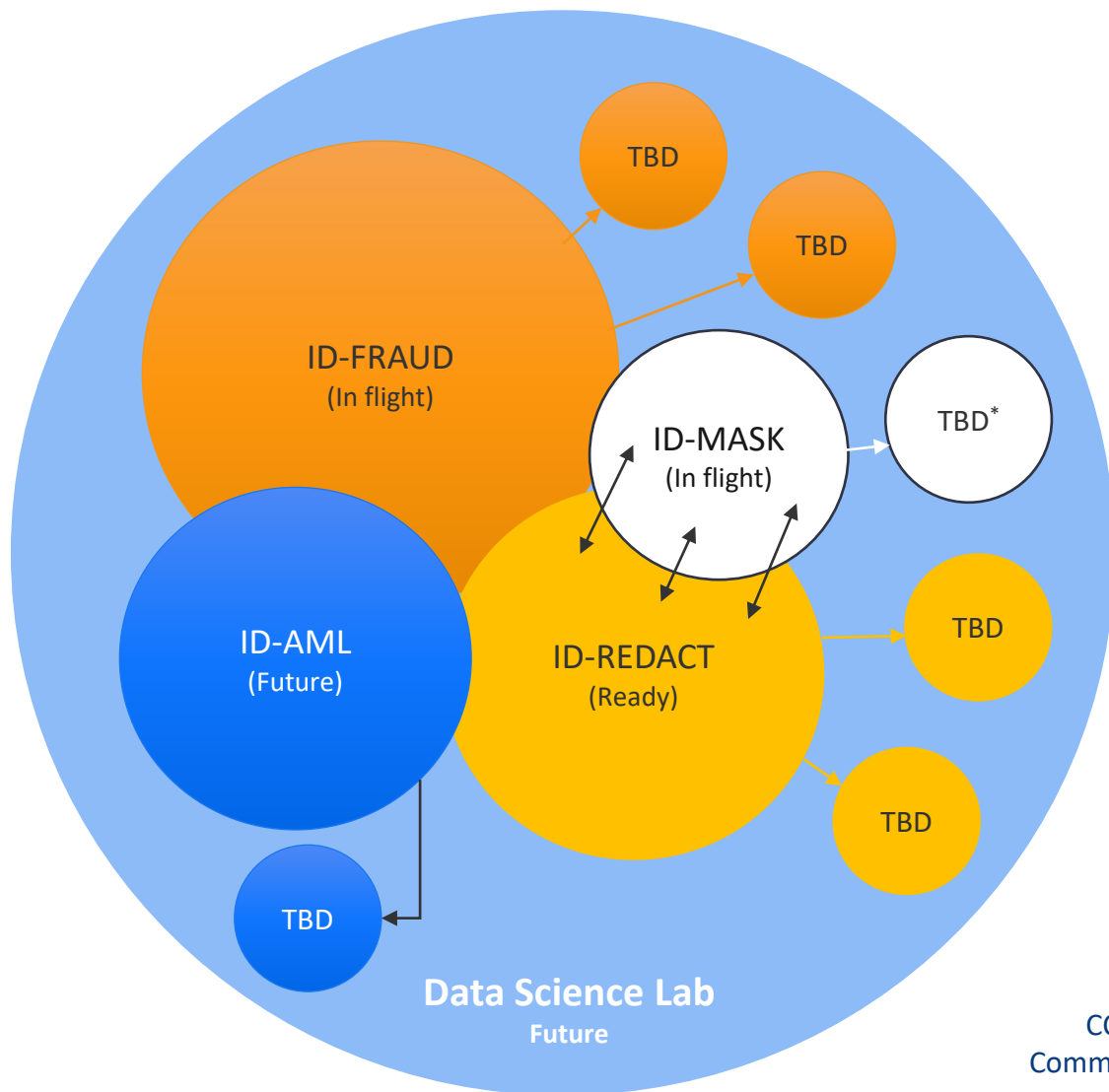


PRODUCT MARKET RESEARCH FINDINGS

PRODUCT FEATURES – AI/ML APPLICATION SPACE



ID-MASK market value:

- Valued at USD \$483.90 million in 2019
- Expected to reach USD 1044.93 million by 2025
- CAGR of 13.69% over 2020 - 2025 – Mordor Intelligence

ID-REDACT market value:

- Valued at USD \$1.8 billion in 2019
- Expected to reach USD 3.4 billion by 2025
- CAGR of 18.9% over 2020 – 2025 – Mordor Intelligence

ID-FRAUD market value:

- Global Synthetic Fraud losses expected reach \$50.5B in 2021 – Juniper Research
- SOM – \$1640M 2021 thru 2025
- CAGR of 42% over 2021 - 2025

DATA SCIENCE LAB market value:

- No public data available yet on current market size and future growth.

ANTI MONEY LAUNDERING market value:

- The global AML software market size was valued at \$879.0 million in 2017
- Projected to reach \$2,717.0 million by 2025
- CAGR of 15.2% over 2018 – 2025 – Mordor Intelligence

CCE features will be reused for all products including ID-REDACT, ID-MASK, ID-FRAUD and ID-AML. Common microservices components of CCE will reduce timeline to meet customer need and keep cost low.

MVP PRODUCT FEATURE COMPARISON

ID-REDACT

| Key Features | MVP Feature Set |
|--|--|
| Data Discovery & Classification | <ul style="list-style-type: none"> Allows multiple types of file formats (XLSX, PDF, DOC, CSV, TXT) |
| Data characteristics | <ul style="list-style-type: none"> Prebuilt redact rules derived from GDPR and Customer Preference |
| Compliance | <ul style="list-style-type: none"> Ability to check and uncheck "GDPR – Policies" Ability to check and uncheck "Customer – Preference" |
| Data Connectivity | <ul style="list-style-type: none"> Auto generate referential integrity from Multi-source Data |
| Role/Location Based Redaction | <ul style="list-style-type: none"> Initial stage of RBAC support |
| Partial/Full Redaction | <ul style="list-style-type: none"> Ability to redact data attributes |
| Integration | <ul style="list-style-type: none"> Structured, Semi-structured and Un-structured data support |

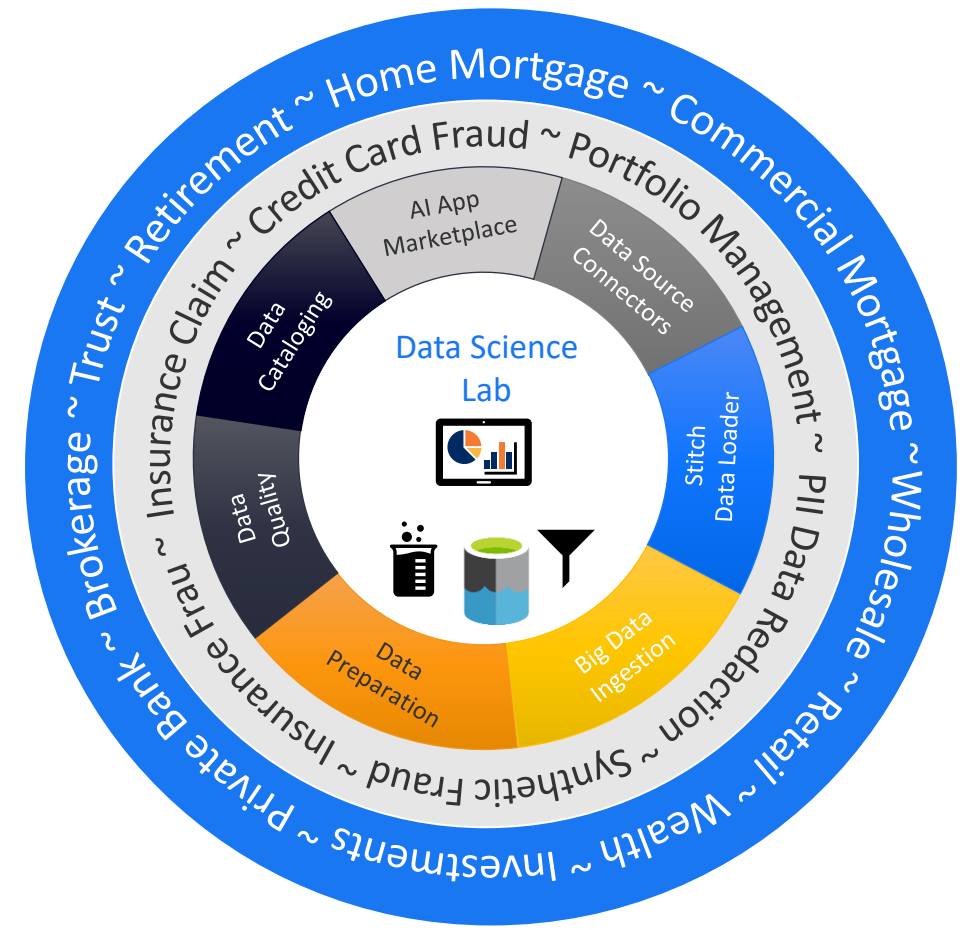
ID-MASK

| Key Features | MVP Feature Set | Future Enhancements* |
|--|--|----------------------|
| Data Discovery & Classification | <ul style="list-style-type: none"> Multi-source data profiling and cataloging Metadata repository | |
| Data characteristics | <ul style="list-style-type: none"> Retention of data types and characteristics Prebuilt masking functions derived from GDPR | |
| Compliance | <ul style="list-style-type: none"> GDPR Certification HTML Audit | |
| Data Connectivity | <ul style="list-style-type: none"> Auto generate referential integrity from Multi-source Data | |
| Role/Location Based Masking | <ul style="list-style-type: none"> RBAC support | |
| Partial/Full Masking | <ul style="list-style-type: none"> Ability to partially Mask data attributes | |
| Integration | <ul style="list-style-type: none"> Structured, Semi-structured and Un-structured data support API support for integrating data masking to real-time/streaming data processing pipeline | |

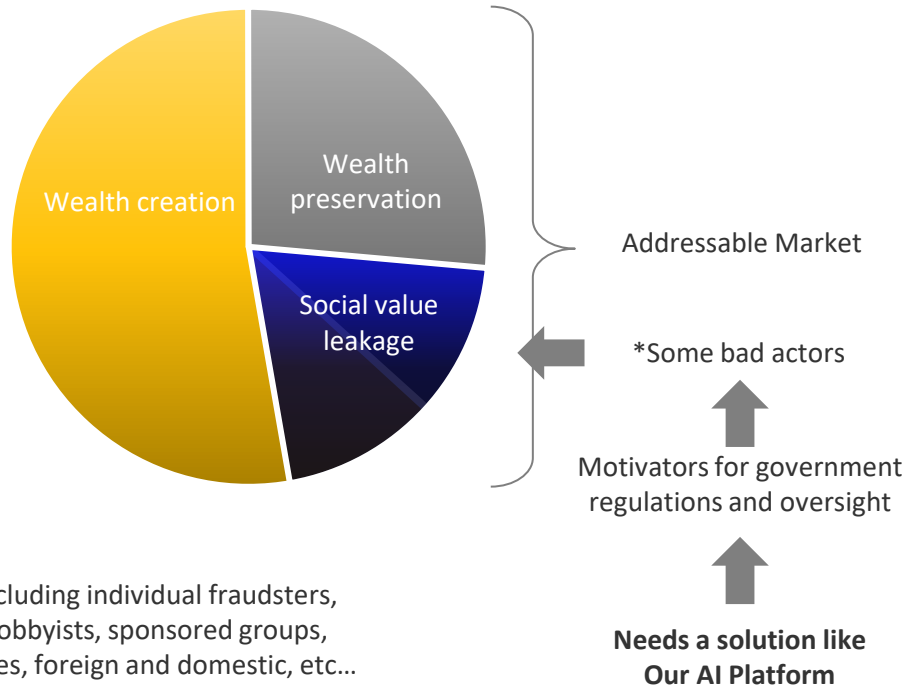
MARKET COMPETITION

| | 6B USD | 1B USD | 0.7B USD | 115B USD | 1B USD |
|---------------------------------|---|---|--|--|---------|
| Capabilities* | Informatica DDM  Informatica | Delphix DDM  DELPHIX | iMask  MENTIS | InfoSphere Optim  IBM | ID-MASK |
| Dynamic Data Masking | ✓ | ✓ | ✓ | ✓ | ✓ |
| AI/ML Driven PII Data Discovery | | | | | ✓ |
| Data Sub-setting | ✓ | | | ✓ | ✓ |
| Compliance Certifications | | | ✓ | | ✓ |
| Data Redaction | ✓ | ✓ | ✓ | | ✓ |
| Data Cataloging | ✓ | ✓ | | | ✓ |
| Data Connectivity | | | ✓ | | ✓ |
| Access Control Integration | | | | ✓ | ✓ |
| Unstructured Data Support | | | | | ✓ |

*Gartner Data Masking Technologies Reviews and Ratings



Two primary motivators for using AI/ML towards increase social value



*Bad actors, including individual fraudsters, small groups/hobbyists, sponsored groups, identity factories, foreign and domestic, etc...

- Wealth creation includes
 - KYC, Chatbots, product recommendation
 - Operational efficiencies
 - E-wallet payments
 - Equity pricing & trading models
 - Asset management
 - Gain market-share (FinTech, on-line banking, open banking)
 - Profitability prediction

Wealth preservation includes

- Data privacy
- Anti-Money Laundering
- Fraud
- Risk management
- Operational compliance
- Enforceable laws

Our solution entry point

SCOPE OF THE PROBLEM

- C-SPAN forum 12.3.2020 (“Aspen Institute Discussion on COVID-19 Vaccine Distribution”)
 - Theft of network credentials for top executives at high value enterprises are on the rise
 - “Cybercrime reports quadrupled during COVID-19 pandemic”
 - Tonya Ugoretz, Deputy Assistant Director, FBI, Cyber Division
 - Hacking attempts on Eli Lilly and Johnson & Johnson networks have increased by 30%
 - Meredith Harper, CISO, Eli Lilly & Marene Allison, CISO, Johnson & Johnson
- Ticketmaster, 11.26.2020 – fined \$1.7M
 - Information Commissioner’s Office (ICO) issued fine for failing to comply with GDPR rules
- British Airways, 10.16.2020 – fined \$26.5M
 - Information Commissioner’s Office (ICO) issued fine for data breach affecting more than 400,000 customers
- Marriott International, 10.30.2020 – fined \$23.9M
 - ICO issued fine for GDPR violations; 339 million guest records stolen

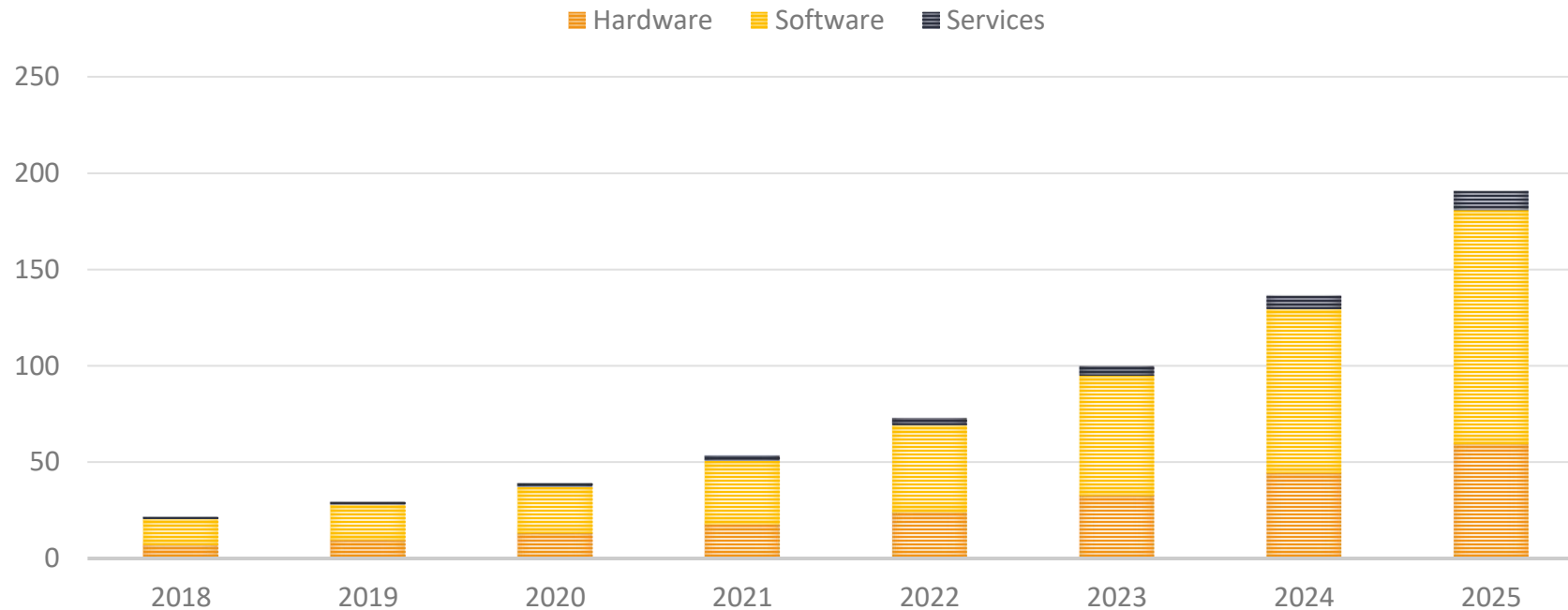


- Data movement from production to non-production exposes the Bank/Healthcare/Govt organizations to risks, compliance audits and significant fines.
- Volume of data movement is on the order of hundreds of millions of records several times a year.
- Current data masking solutions meet around 60% of compliance certification requirement.
- ID-MASK solution offers up to 99.99% data masking compliance certification at a fraction of the time and cost.

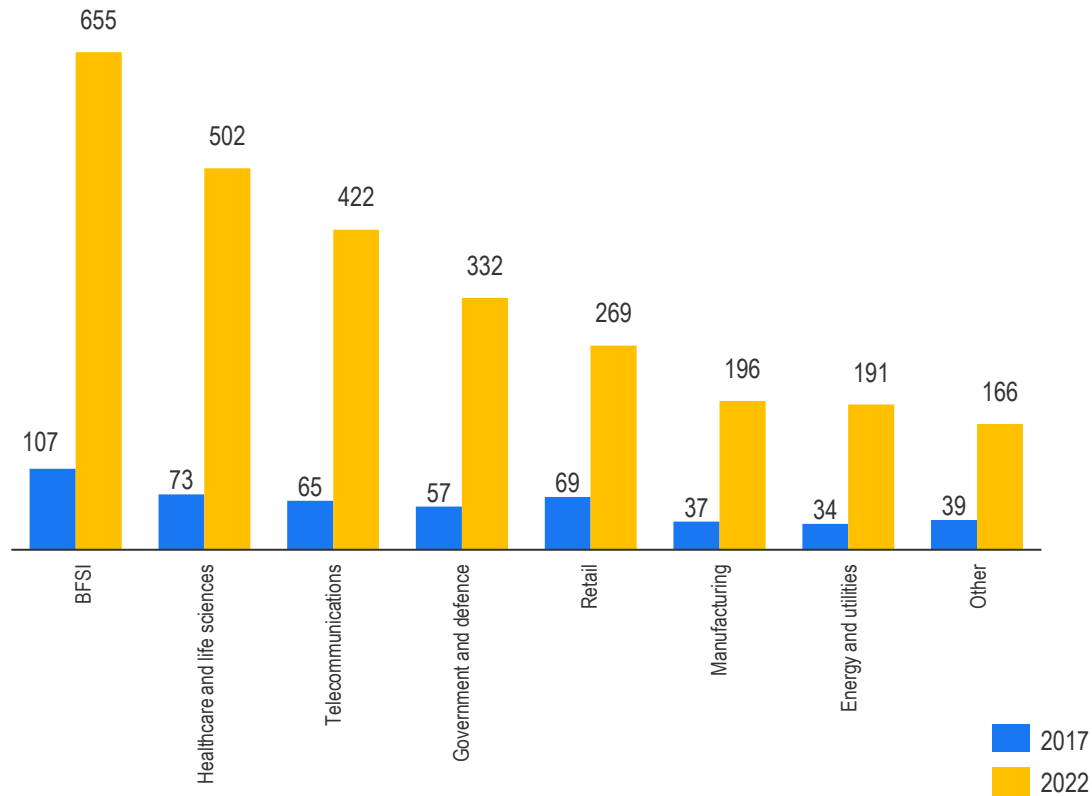
Total Available Market: Artificial Intelligence segment revenues

- Global, valued at \$21.5B in 2018
- CAGR 36.6% through 2025, valued at \$190.6B

AI MARKET TAM BY REVENUE (\$B)



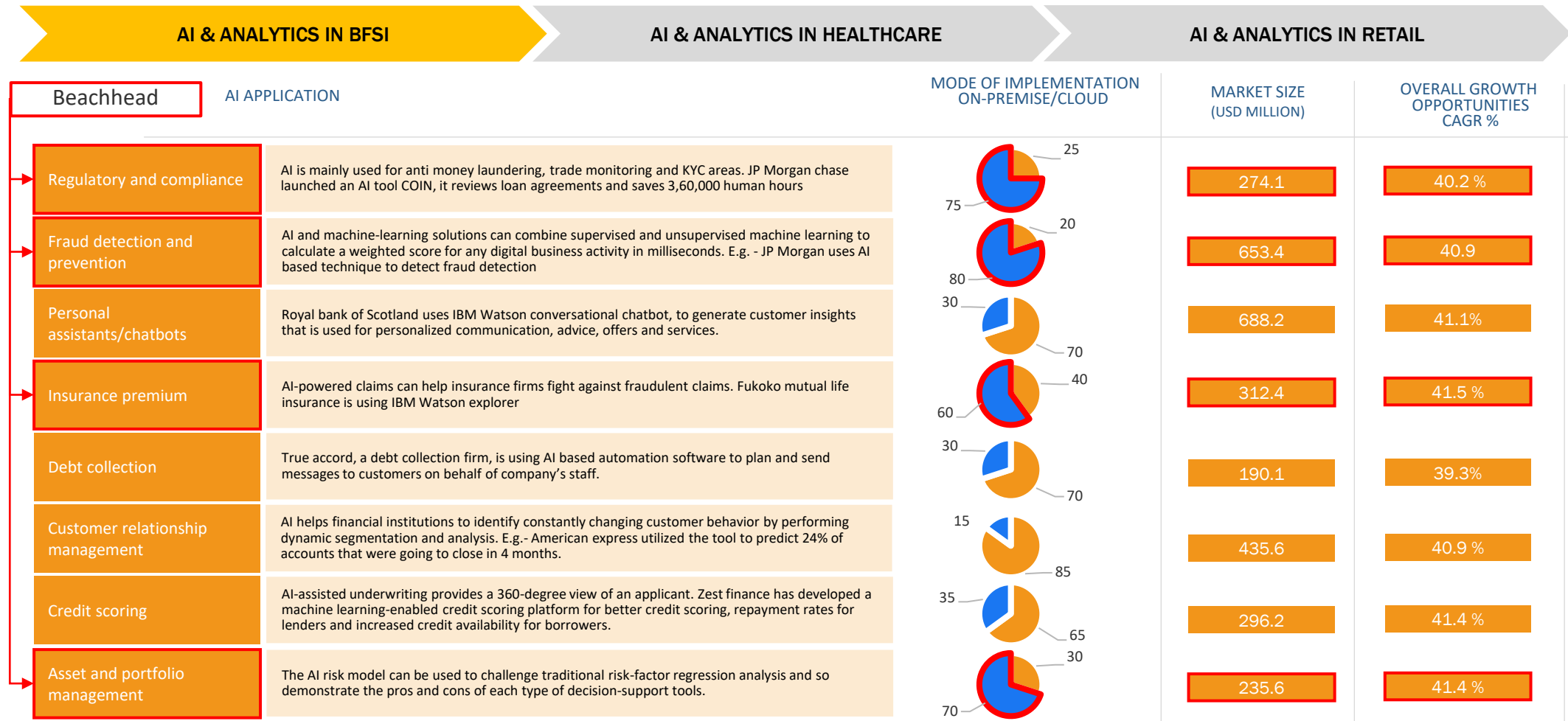
Total ML (H/W and S/W) market size forecast (analyst report sample)
\$ Million



Source: Markets and markets. Total ML (H/W and S/W) market size forecast, all end user types and deployment types.

- Based on technical match and TAM our focus as been on:
 - BFSI
 - Healthcare management (separating healthcare from Pharmaceuticals and biosciences)
 - Retail
 - Telecommunications
 - Government, defence and security
- Additional candidates to consider should these have proven unsuitable would have included:
 - Travel
 - Hospitality
 - Media and entertainment
 - Legal

MARKET BREAKDOWN



Note: Mode of implementation of AI applications provide only a directional view on the basis of secondary research
Source: MarketsAndMarkets analysis



MARKET BREAKDOWN

AI & ANALYTICS IN BFSI

AI & ANALYTICS IN HEALTHCARE

AI & ANALYTICS IN RETAIL

| Carryover | AI APPLICATION | MODE OF IMPLEMENTATION ON-PREMISE/CLOUD | MARKET SIZE (USD MILLION) | OVERALL GROWTH OPPORTUNITIES CAGR % |
|-----------|---|--|------------------------------|---|
| | Patient data and risk analysis | | 1,053.1 | 48.8% |
| | In patient care and hospital management | | 567.1 | 44.9% |
| | Medical imaging and Diagnostics | | 587.5 | 57.8% |
| | Lifestyle management and monitoring | | 444.6 | 53.5% |
| | Virtual Assistant | | 465.5 | 57.3% |
| | Drug discovery | | 407.4 | 50.8% |
| | Healthcare assistance robot | | 243.2 | 29.6% |
| | Precision Medicine | | 179.0 | 55.1% |

Note: Mode of implementation of AI applications provide only a directional view on the basis of secondary research

Source: MarketsAndMarkets analysis

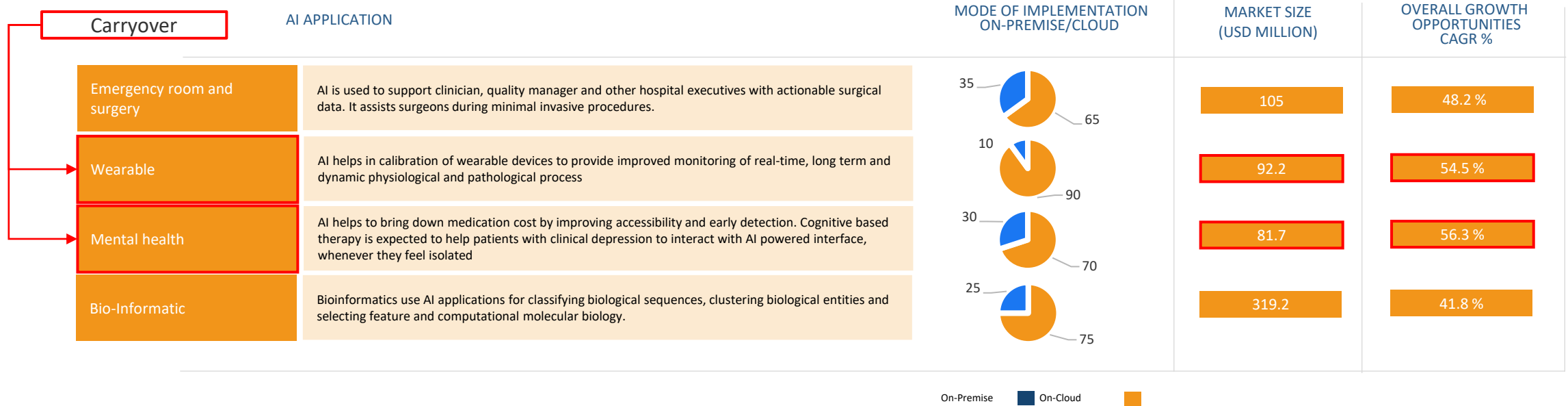
On-Premise On-Cloud

MARKET BREAKDOWN

AI & ANALYTICS IN BFSI

AI & ANALYTICS IN HEALTHCARE

AI & ANALYTICS IN RETAIL











Note: Mode of implementation of AI applications provide only a directional view on the basis of secondary research
Source: MarketsAndMarkets analysis

MARKET BREAKDOWN

AI & ANALYTICS IN BFSI

AI & ANALYTICS IN HEALTHCARE

AI & ANALYTICS IN RETAIL

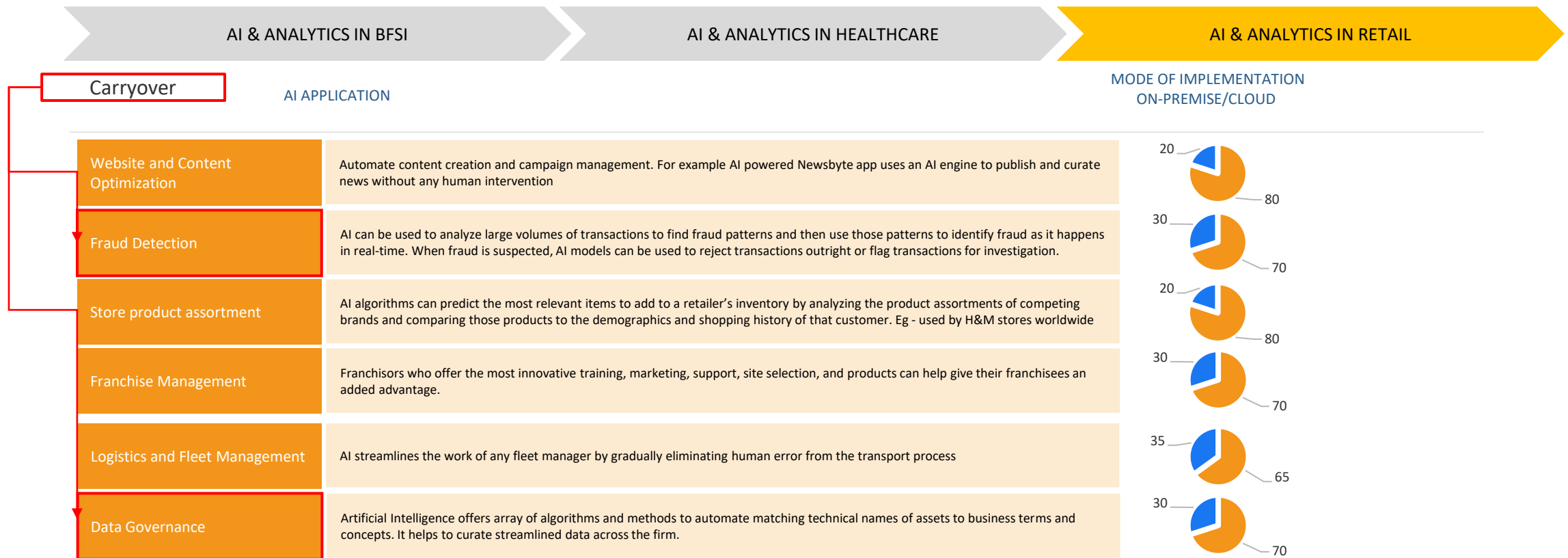
| Carryover | AI APPLICATION | MODE OF IMPLEMENTATION ON-PREMISE/CLOUD | MARKET SIZE (USD MILLION) | OVERALL GROWTH OPPORTUNITIES CAGR % |
|-----------|----------------------------------|---|---------------------------|-------------------------------------|
| | Product recommendation |  | 1,052.6 | 37.7 % |
| | Customer relationship management |  | 458.0 | 34.9 % |
| | Visual search |  | 481.4 | 48.1 % |
| | Virtual assistant |  | 297.7 | 47.0 % |
| | Price optimization |  | 417.2 | 36.1 % |
| | Payment services management |  | 600.4 | 34.6 % |
| | SCM and demand planning |  | 603.7 | 37.3 % |
| | Others |  | 187.4 | 35.2 % |

On-Premise On-Cloud

Note: Mode of implementation of AI applications provide only a directional view on the basis of secondary research

Source: MarketsAndMarkets analysis

MARKET BREAKDOWN

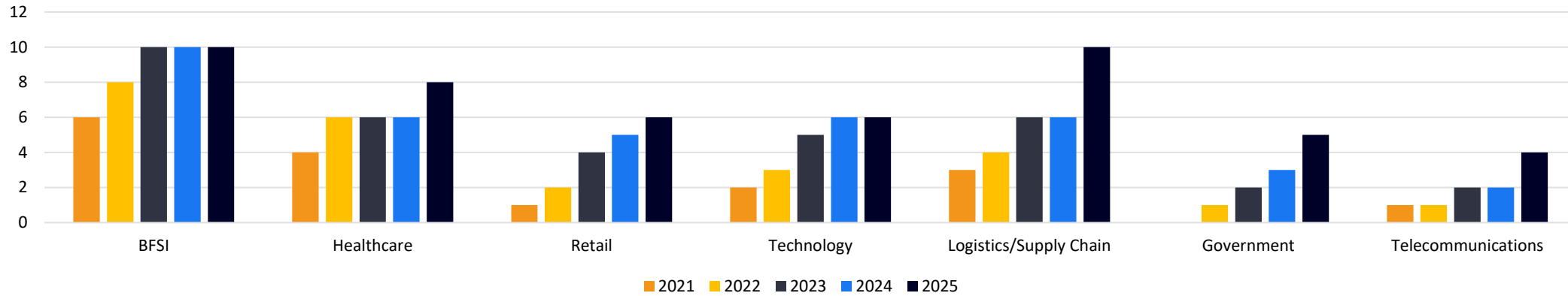


Note: Others has been bifurcated into 4 AI Applications. Further, AI in retail use cases suggested by NEC have been mentioned but their market size couldn't be calculated. Mode of implementation provides only a directional view based on secondary research

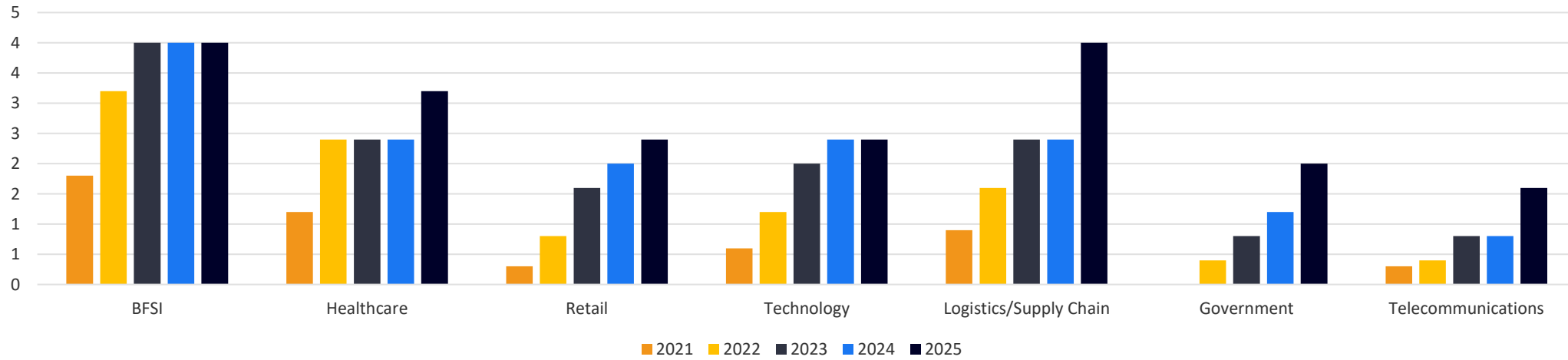
Source: MarketsAndMarkets analysis

On-Premise ■ On-Cloud ■

5 Years Revenue Projection (\$M)

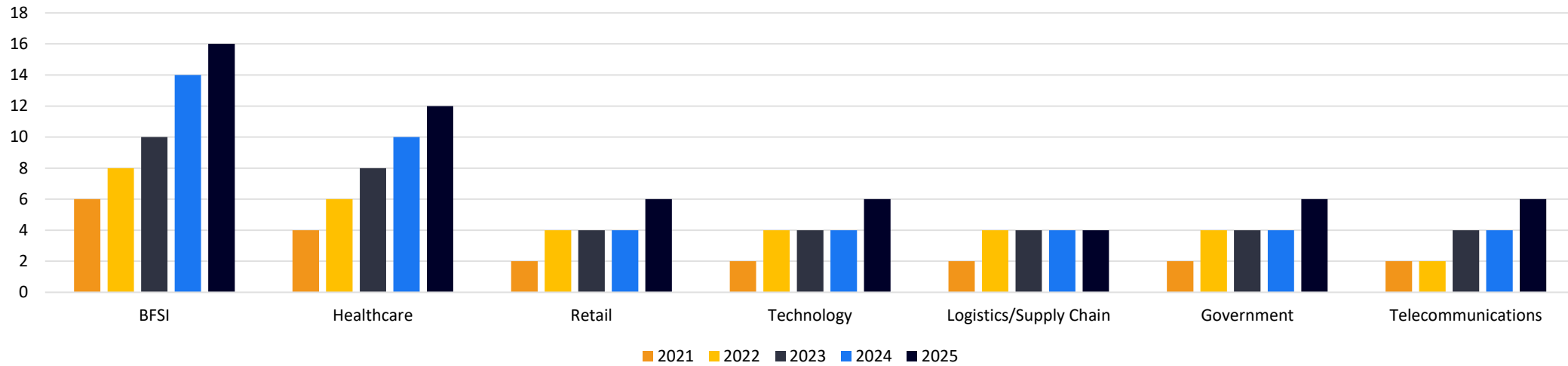


5 Years Projected Gross Margin (\$M)

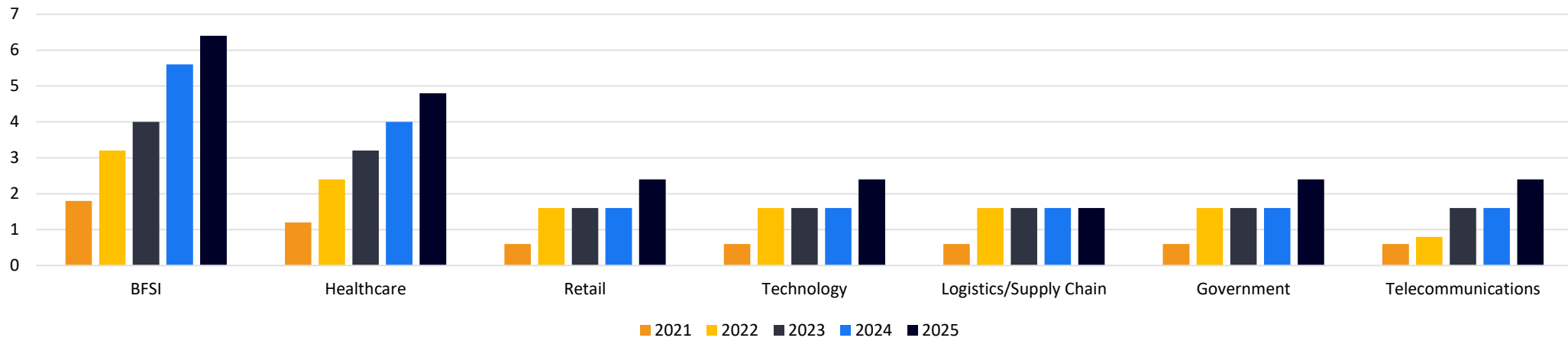


ID-MASK SOM

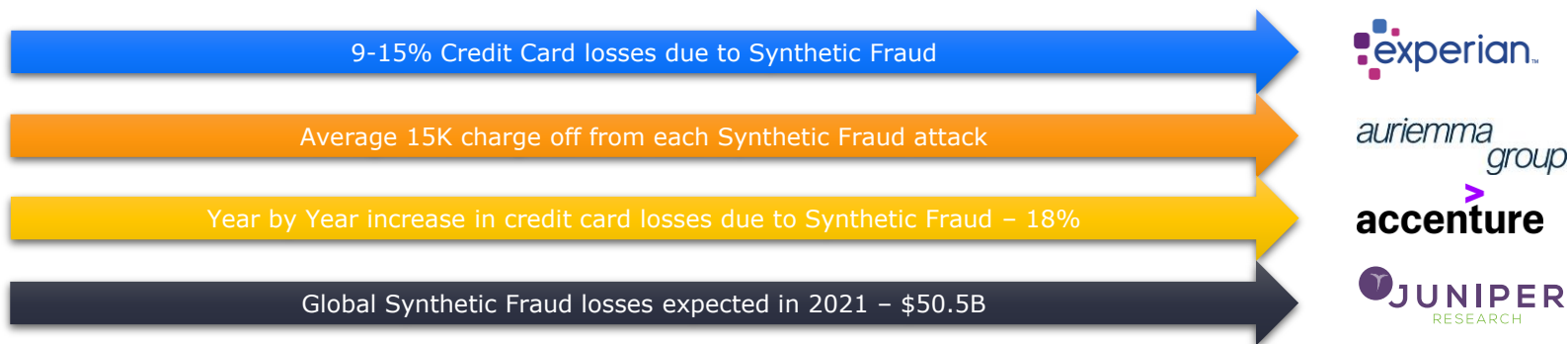
5 Years Revenue Projection (\$M)



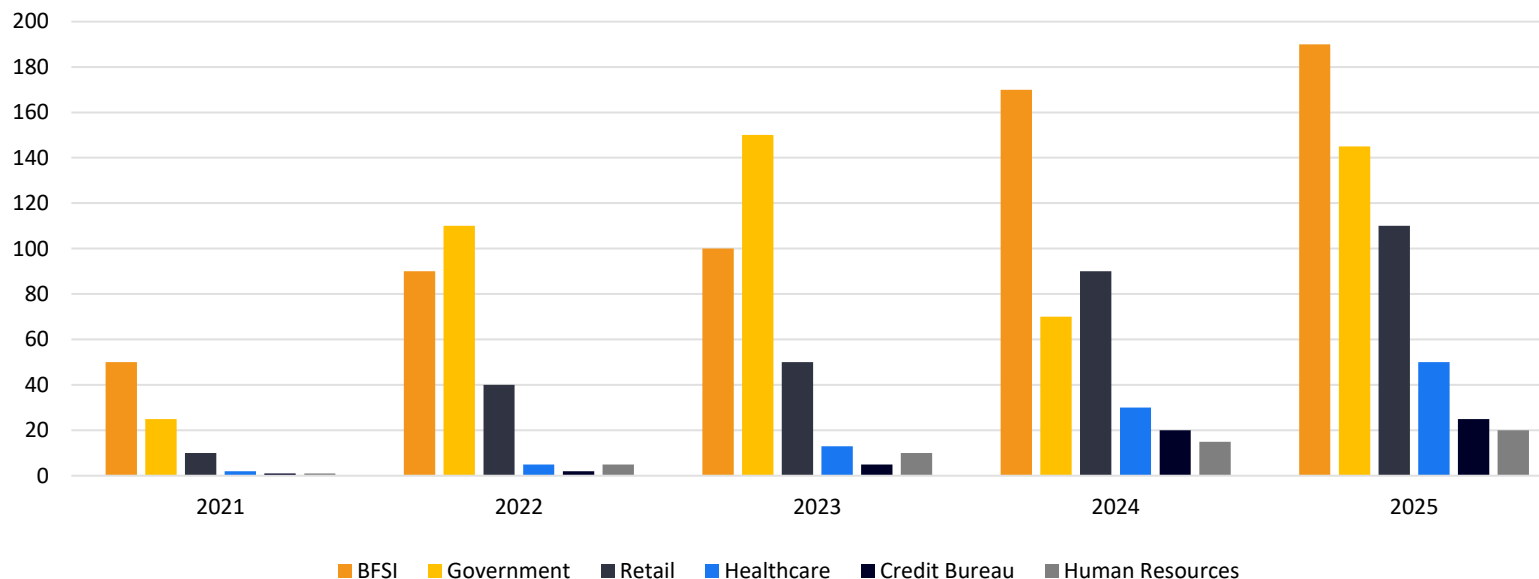
5 Years Projected Gross Margin (\$M)



ID-FRAUD SOM



Forecasted Revenue in Millions - \$1,640M (SOM)



PRODUCT SWOT

Strengths

- First AI/ML Enabled Data Masking Solution
- Applicable Across All Industries And Segments Dealing With Sensitive Data
- Unmatched Accuracy And Security
- Platform Agnostic → Higher Adoption Rate
- Modular Architecture → Highly Flexible, Scalable

Weaknesses

- Stand-alone Solution, Not Part Of A Larger Data Privacy Suit
- Requires Specialized Development Team
- Complex Rules Module

Opportunities

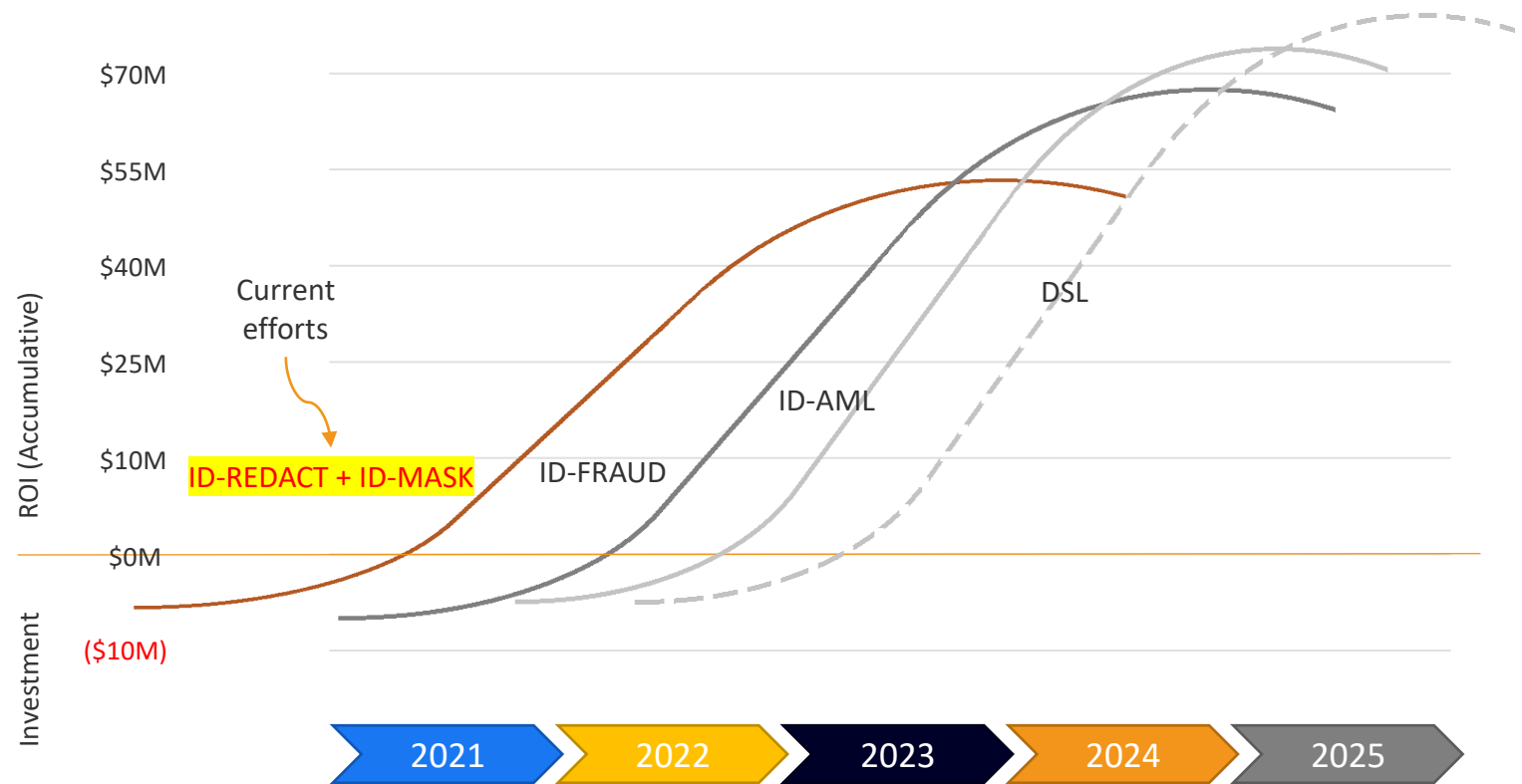
- Rapidly Expanding Market
- Foundational To Data Privacy
- Reusable Modules That Can Be Leveraged In Other Data Privacy Solutions

Threats

- Critical To Launch Before Competition
- Rapidly Changing Compliance Standards

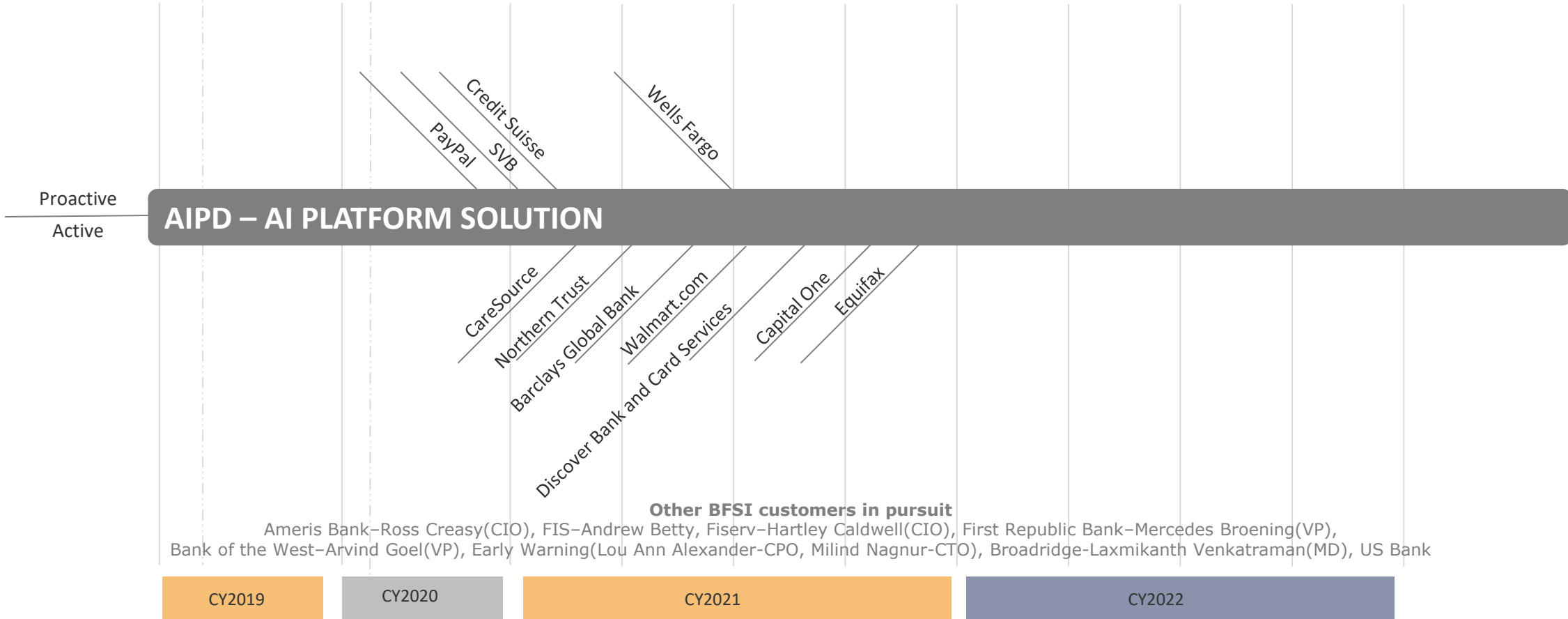
MARKET OPPORTUNITY

(segment priority as of Jan 2021: ① BFSI, ② Healthcare)



MARKET OPPORTUNITY

★ PII Data Redaction
★ Intelligent Data Masking



SUMMARY

There is a growing demand for integrated AI solutions in BFSI/Healthcare/Govt. and other on-premises uses for GDPR, CCPA, etc... compliance, CAGR between 30% to 45%.

- Policy and law makers must consider the dynamics of fraudulent cyberactivity to keep personal data secure from bad actors. Consequently, Governments and ICT companies around the world are heavily investing in AI solutions to solve this complex social problem.

AI/ML Data Engineers, Data Scientists and Software Developers gravitate towards the top data companies around the world, making it cost prohibitive for mainstream services companies in BFSI, Healthcare, Retail, Entertainment, Hospitality, etc... to keep AI/ML staff.

- Mainstream services companies are challenged with attaining ROI when organically developing and deploying AI in their operations. Consequently, they are seeking highly integrated solutions that can be implemented quickly.

THANK YOU

WWW.DATASAFEGUARD.AI

datasafeguard 
intelligently protecting data



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