

Intellect/SEC/2020-21

18<sup>th</sup> March, 2021

**1. National Stock Exchange of India Ltd.,**

Exchange Plaza, 5th Floor, Plot No. C/1, G Block, Bandra Kurla Complex,  
Bandra (E), Mumbai – 400 051.

**Scrip Code:**

INTELLECT

**2. BSE Ltd.**

1st Floor, New Trade Ring, Rotunda Building, PJ Towers,  
Dalal Street, Fort, Mumbai – 400 001.

**Scrip Code:**

538835

Dear Sirs,

**Sub: Intellect Technology Day 2021 – Presentations and Recording of the Event**

Intellect Design Arena Ltd., the world's largest multi-product FinTech platform for Financial Institutions conducted the first-of-its-kind virtual event, Intellect Technology Day 2021 on 17<sup>th</sup> March 2021. The subject matter experts from Intellect presented and spoke about the future of technology and how Intellect, as a business, are forging ahead and emerging as a new world leader in the industry.

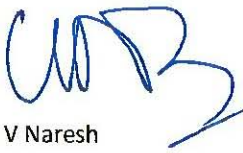
The event was focussed on the 3Cs of technology – Contextual, Composable and on the Cloud.

Watch the Future of Technology showcased at Intellect Technology Day 2021-  
<https://www.intellectdesign.com/technology-day-2021/>

Also, please find enclosed the presentations showcased at the event. Kindly take the above information on record.

Yours truly,

for Intellect Design Arena Limited



V V Naresh

Company Secretary and Compliance Officer



**Intellect Design Arena Limited**

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E-mail: [contact@intellectdesign.com](mailto:contact@intellectdesign.com) | [www.intellectdesign.com](http://www.intellectdesign.com)

A large, stylized red quotation mark graphic that serves as a background for the main title text.

# Tech Day Presentation

March 17, 2021

# INTELLECT SEEC Areas of Focus: Cloud and Data



## Born on the cloud

- Insurance leaders scaling on digital channels is accelerating – they are significantly outperforming over competition
- We have 12 clients on the Cloud infra bringing in agility, extensibility, better cyber security and scalability at significantly reduced costs



## Data as the oil

- Our Fabric Data platform (FDS) connects with **22** leading data partners and data platforms for access to thousands of data elements & sources
- FDS supports all stages of data management from ingestion through triangulation, validation and enrichment
- We are seeing a significant increase in Personalized and Contextual Data and AI scaling in underwriting and claims processing to gain real time decisions and risk assessment
- A sampling of our data partners:



# Areas of Focus: AI and Marketplace Platforms



## AI

- Purpose built AI models for Commercial Insurance, Banking and Wealth Management domains.
- Intelligent Data Platform to accelerate the product innovation and Go To Market across the geographies
- Dedicated research and development team with 400+ man years of expertise in niche AI technologies such as Natural Language Processing, Computer Vision with Deep Learning
- Operationalizing and scaling AI models with highest level of accuracy across various domains



## Marketplace Platform

- Our partnerships with Marketplace platforms such as Salesforce, Snowflake and AWS provides an additional channel to market and sell our products across the geographies
- Marketplace platforms continue to become key distribution channels for our application and data business
- Our Centers of Excellence (COE) around Marketplace platforms offer skillsets to effectively use these technologies along with our solutions

# Intelligent Data Extraction – Contextual & AI based hyper automation platform



Classification



Extraction



Validation and Enrichment



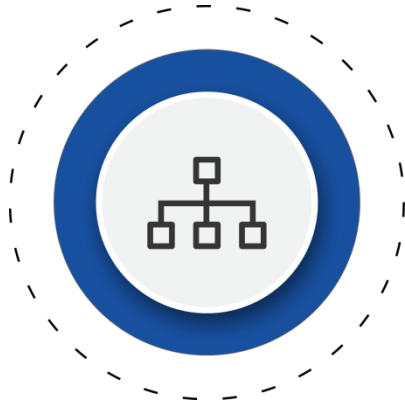
Verification



Integration

NOVARICA				
	GENERALIST	INSURANCE BROAD USE	CLAIMS/ UNDERWRITING	ADV. UNDERWRITING
BROAD	  			
FOCUSED		     	  	  

2020 - Novarica - iSEEC - Intelligent Text Ingestion: Overview and Prominent Providers



## Classification

### Key Differentiators

- Contextual Text and image-based classification
- Intelligent splitting and sorting of document bundle
- Classification of pages and sections within documents

### Use cases

- **Classification of broker submitted forms and excels for Large Commercial Insurance carrier in US**
- **Classification of 500 document types for Commercial Insurance carrier in US**



## Extraction

### Key Differentiators

- Contextual extraction leveraging purpose built AI models across Banking, Insurance and Wealth domains
- Extraction across structured, semi-structured and unstructured input data types
- High extraction accuracies with little human intervention

### Use cases

- **Extraction of key customer information for eKYC as part of the customer on-boarding use case for a Retail banking customer**
- **Extraction of key exposure and underwriting details from various broker submission for commercial underwriting with more than 98% accuracy**



## Validation and Enrichment

### Key Differentiators

- Validate extracted data against third party and external sources of truth
- Validate data against business rules
- Pre-fill missing data with external data sources

### Use cases

- Aadhaar number validation against UIDAI authentication API
- eKYC regulatory checks against government mandates for large Life Insurance Carrier







Verification

### Key Differentiators

- Human in loop to triage and make decisions on exceptions, errors and approvals
- Quality checks based on extraction confidence score at field level
- Intuitive point and click user interface for quality reviewers

### Use cases

- **Human review of Aadhaar extraction and masking exceptions based on image quality**
- **Document review on highlight of any business or compliance discrepancies**





## Integration

### Key Differentiators

- An API-first approach
- Seamless integration with legacy systems and cloud technologies
- Real Time mode for current needs as well as Bulk Processing capabilities for document backlogs

### Use cases

- Integration of existing customer on-boarding systems to intake eKYC and service documents in real time
- Integration with existing Aadhaar data vaults for extraction and masking in bulk mode
- Integration with Platform such as Salesforce & AWS



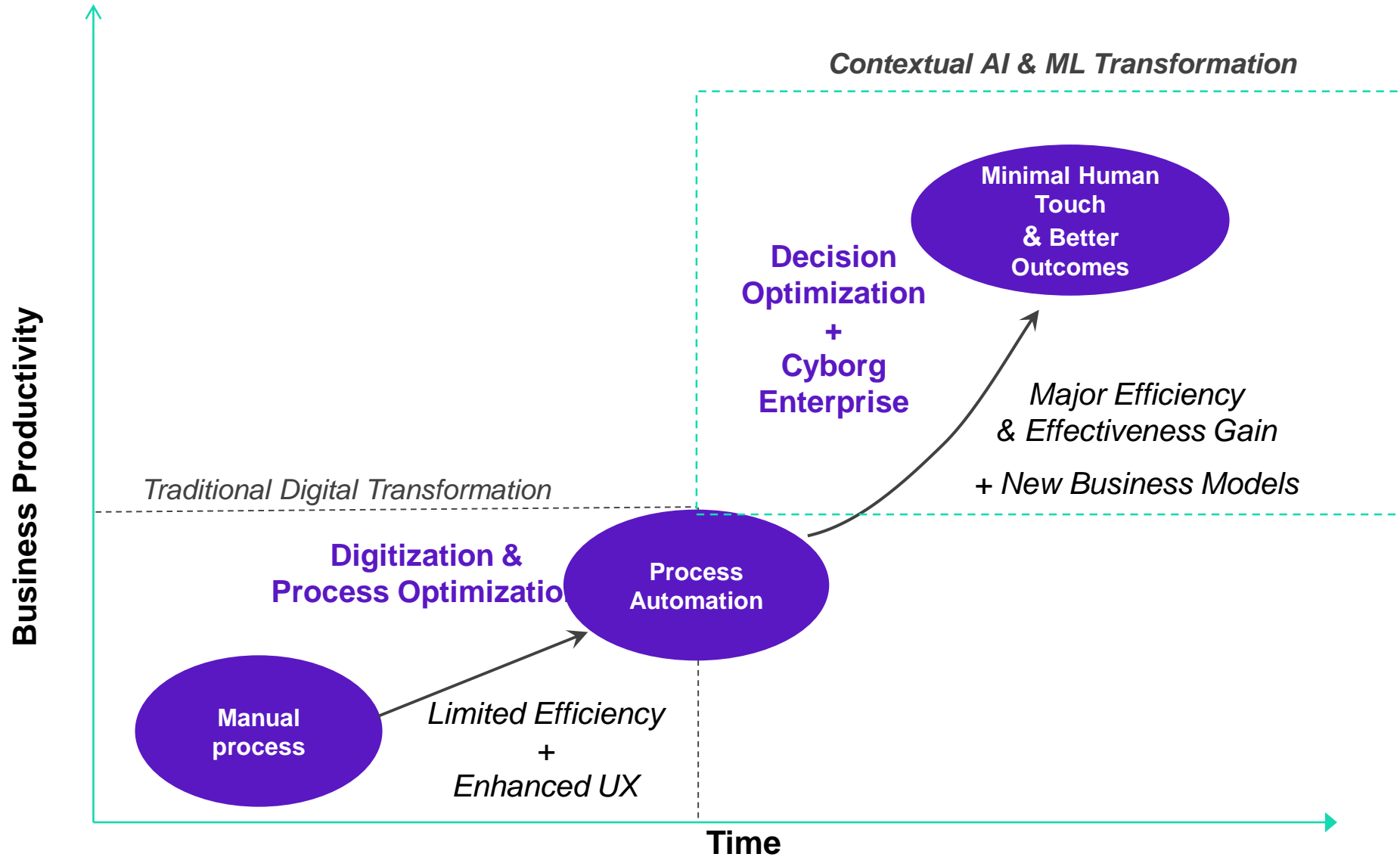
# A large, rapidly growing Data Extraction Market



- Operationalised for Commercial Insurance companies in US
- Operationalised for FTSE 100 Wealth management company in UK
- PoV's in progress for
  - Customer onboarding use cases for leading Banks in US, Middle East and Australia
  - Invoice Processing for Large Property Software company in US
  - Magic Aadhar for Insurance and telecom carriers

## \$3.8B+ TAM

# Enabling Contextual AI & ML Led Business Transformation



# Providing Underwriting Resilience Through Emerging Technologies

## Manual Underwriting Process

### Manual Intake

85% Broker Submission via email/mail & <15% Portal Quote

- Many questions for a portal quote
- Days - weeks to manually triage broker submissions
- Inconsistency in triage decisions
- <2% data validated & enriched
- Broker data error rates (7%)

### Manual assessment & Collaboration

- 100% submissions hit underwriter desk
- 60-70% time to search/aggregate data from some disparate sources leads to gaps in risk information
- Manual collaboration for missing requirements(email)
- Inaccuracies in underwriting decisions (false positives & false negatives in portfolio)

### Manual Decision

- Portal Quote in 3-5 days
- Quote to Bind in 30+ days

## AI & ML Approach For Next Generation Underwriting

### Cognitive Intake

Shift to 70% Portal Quote and API driven Broker submission

- Company Name & location for quick quote
- 87% faster with 90% less resources
- Auto Extract, Validate. Enrich
- 20% data quality improvement
- Feedback & deep learning models

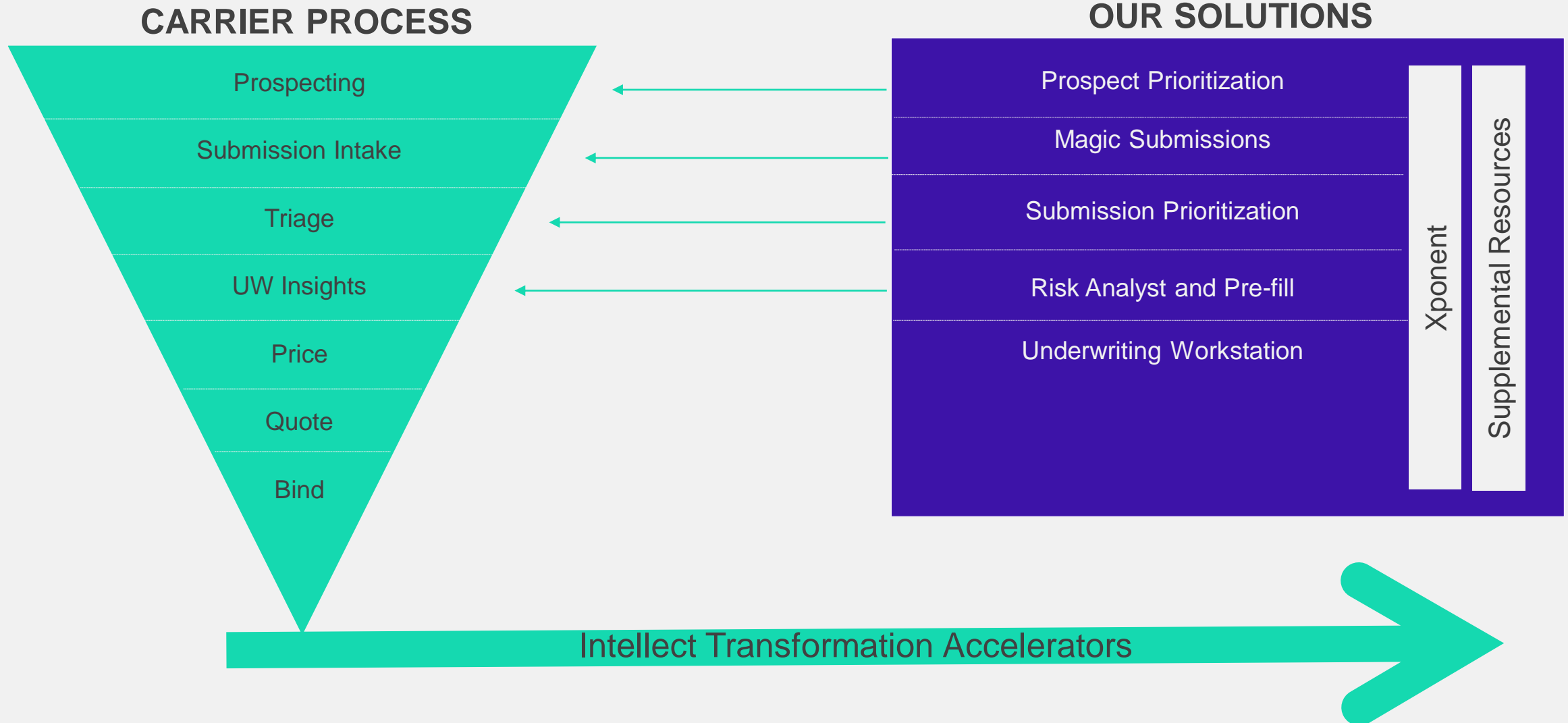
### Auto Insights & Collaboration

- Seconds to appetite match for quick submit
- Auto trigger of account level risk Insights with alerts
- Automated requirements management
- Routing & collaboration (external and internal)
- Integration APIs

### Decision

- STP Quote in < 2mns
- Quote with UW Review 1 day
- STP Bind in Minutes
- Bind with UW Review 1-2 days

# And Innovative Business Solutions Through Out The Underwriting Life Cycle



# Intellect Technology Day 2021

**The  
Contextual  
Composable  
Cloud Technology  
Conversations**

March 17, 2021

**Deepak Dastrala**

**CTO, iSEEC**



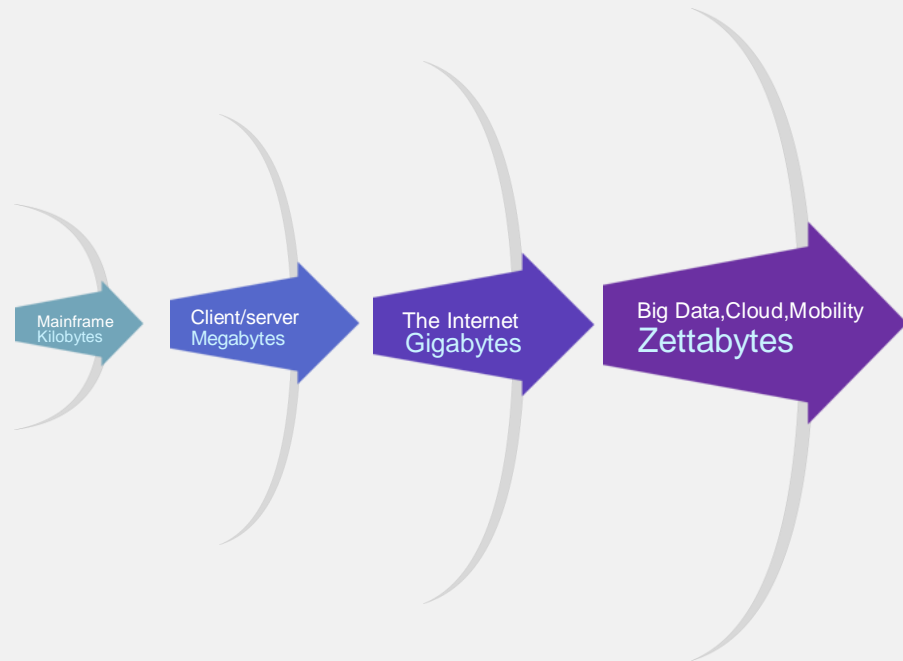
Data has become the new oil, providing massive opportunities to the Companies who can **Gather, Control & Analyze** data













# AN AVALANCHE OF DATA

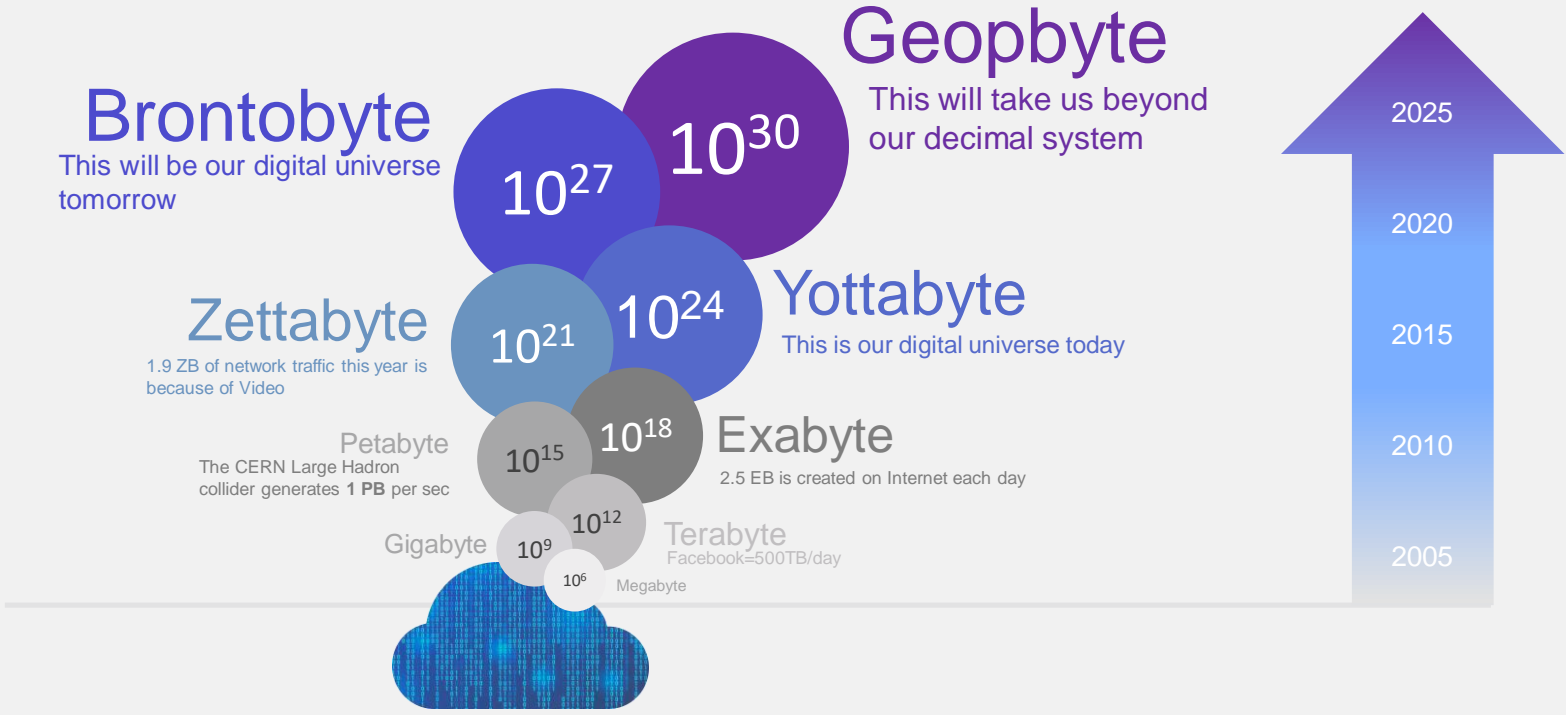
# Data Facts : How world has changed?



## Every 60 seconds...

-  **294 billion+** emails sent
-  **350 million+** tweets
-  **54 million** messages shared
-  **4.4 million+** Google searches
-  **500** hours new video on YouTube
-  **404,444** hours video users stream
-  Hosts **208,333** participants in meetings
-  **347,222** messages posted

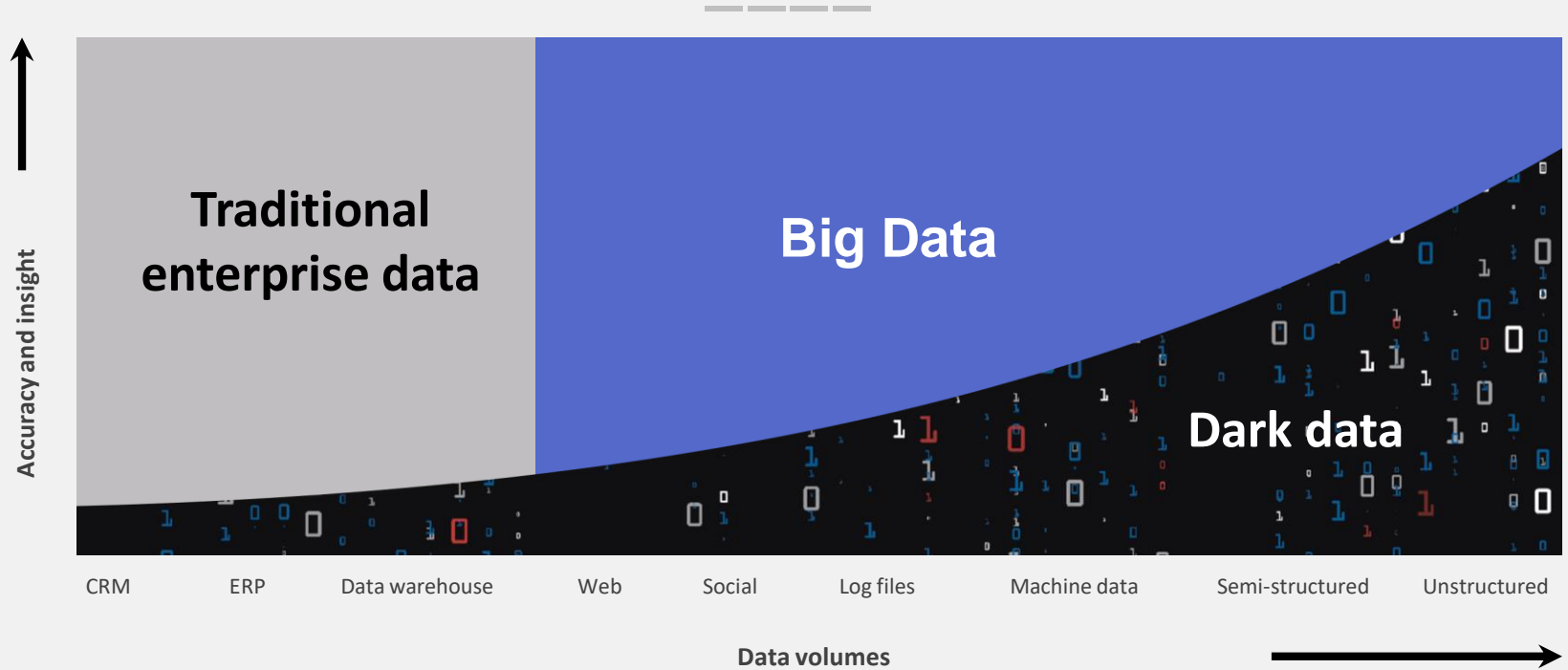
# Data Is exploding : We have gone beyond decimal system





**URGENT NEED**

# Engage 100% of data : to gain competitive advantage



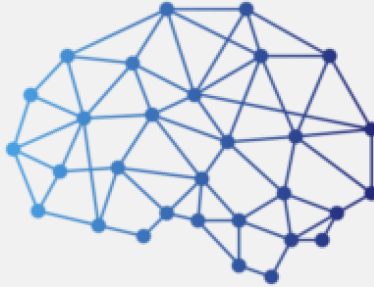


**SOLUTION**

# FABRIC - Intelligent Data Platform

## Contextual, Cognitive Computing

Comprehensive AI model pipeline that can extract contextual elements such as meaning, time, location and appropriate domain from multiple sources of information, including both structured and unstructured



## Built for Cloud – As a Service

Cloud Native Platform with Microservices architecture and APIs built for intelligent, flexible, scalable, and integrate-able services

## Real time Data Ingestion

Realtime data ingestion and processing capability that can deal with different aspects of business data such as Volume, Variety, Veracity & Velocity

## Data Centric Security

Security and privacy are “built-in” design principles to access ubiquitous data in secure way

### Fabric Data

### IDX

Company search

Location Search

People Search

Classification

Extraction

Validation

### AI Model Pipeline



Data Triangulation



Trust & Consensus



Sentiment Analysis



Document Classification



Layout Segmentation



Image to Text



Named Entity Extraction



Topic Modelling



De Duplication



Contextual Extraction



Image Pre-Processing



Object Detection



Image Post-Processing



Semantic Analysis

### Big Data



Structured



Semi Structured

+



Data Connectors

+

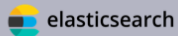


Unstructured



Internal

Cloud & DevOps



# FABRIC - Cloud & DevOps

- Cloud Native, multi tenancy platform designed for Hyper scale
- Powers continuous delivery and automated updates without disrupting operations.
- Reduced time to market for a new product offering
- Flexible, Agile & Resilient
- Securely accelerate cloud native innovation

## Fabric Data

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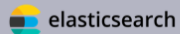


Unstructured



Internal

Cloud &amp; DevOps





# FABRIC – Big Data

- Ingest unstructured and semi structured data in the form of images and Text
- Moves to “Element” of Truth not just “Source” of truth with Triangulation
- Integrated to thousands of data sources with connector capability to quickly add new source
- Company, Location & Person Data. Graph Models to link entities.

## Fabric Data

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Semantic Analysis

## Big Data



Structured



Semi Structured

+



Data Connectors

+



Unstructured



Internal

Cloud & DevOps

elasticsearch

fluentd

kibana

Twistlock

kubernetes

N+

docker

ANSIBLE

Terraform

HELM

# FABRIC - AI Model Pipeline

- 28+ proprietary algorithms for Intelligent Image Processing
- 18+ purpose built computer vision deep learning model for 'Document Segment Analysis'
- State of the Art contextual Natural Language Processing pipeline
- Triangulation with trust and consensus models for field level accuracy benchmarking
- Purpose built Domain specific models contextual to industry specific problem statements

Fabric Data

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Object Detection



Image Post-Processing



Semantic Analysis

Big Data



Structured



Semi Structured

+



Data Connectors

+



Unstructured



Internal

Cloud & DevOps



# FABRIC DATA

- Universally accessible and reliable business information at your finger tips
- 5000+** data points with comprehensive company, location and people data models
- Brings together from largest data set of thousands of data sources
- Provides single source of truth with data triangulation to address data veracity
- Easy accessibility to custom data packages for specific problem statements

## Fabric Data

## IDX

Company search

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Semantic Analysis

## Big Data



Structured



Semi Structured

+



Data Connectors

+



Unstructured



Internal

Cloud & DevOps



# IDX

- Contextual and Intelligent information classification & extraction platform
- Brings Operational efficiency to document heavy processes with reduced TAT
- Provides Last mile solutions for end to end straight through processing
- Data validation and Enrichment act as guard gates to data quality and coverage
- Complete ownership of customer value with no dependencies on 3<sup>rd</sup> party services
- Intelligent redaction of PII and sensitive data to ensure regulatory compliance

## Fabric Data

## IDX

Company search

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### AI model pipeline



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Semantic Analysis

## Big Data



Structured



Semi Structured

+



Data Connectors

+



Unstructured



Internal

Cloud & DevOps



# The capabilities developed by Intellect

These already have a track record of successful installations

## 01 FABRIC PLATFORM

- Fabric is the continuous delivery software that powers our SaaS products, Fabric Data and IDX, in the public cloud and beyond. Fabric enables rapid Customer Integration, Customer Delivery and Deployment helping improved client's decisions and management of digital applications. It eliminates the trade-off between stability and speed by delivering continuous, automated updates without disrupting operations. |

## 02 FABRIC DATA

- Tailormade AI solutions/apps that can help to analyze organizational data elements from several external and internal sources helping risk management decisions with speed, reduce cost and facilitating accuracy & digital delivery
- Strong data engineering and AI foundations which provides real time access to over thousands of data sources and over 5000+ data elements covering structured and unstructured data for clients to triangulate data use cases

## 03 IDX.ai

- Contextual Extraction of data from various sources/documents. Data can be structured or semi/unstructured.
- Validating data using ML after the extraction, for both internal information provided in document or for external validation of information
- Data scored using ML and then it can be easily Injectable into destination platforms through API's



# Recent Analyst & Industry Awards and Recognition – Data & AI



Winner of 2020 CELENT MODEL WEALTH MANAGER – EMERGING TECHNOLOGY  
St. James's Place

2020

## CELENT

Intellect Risk Analyst cited among leading Directed Data Platforms providing answers to specific questions from an individual insurer for use in underwriting or other processes - 2020

2020



Intellect Risk Analyst implementation at Liberty Mutual featured as a case study in the Data and Analytics category by Novarica in their 9th Annual case study - 2020

2020



Intellect identified as a key player in their report titled Machine Learning in Global Insurance Sector by presenting Intellect's implementation as an example of an intelligent RPA use case in a project undertaken by a commercial insurance client.

2019



2020



Intellect SEEC recognized as a "Full AI Suite Provider" who can help carriers streamline their underwriting workflows

2020



Novarica rates Intellect SEEC's IDX as an Intelligent Text Ingestion solution for Advanced Underwriting with AI & ML playing a larger role.

2020

Technology Product Awards 2020



with Intellect Design Arena highly commended

2020



# FULL SPECTRUM RETAIL BANKING



Digital  
Core



Digital  
Lending



Central  
Banking



Digital  
Bank



Digital  
Channel

.....



Cards

Technology Day  
Rajesh Saxena  
17th March, 2021



# Agenda

1

Year 2020, Market Size and Retail Banking Trends

2

Our Purpose & Strategy

3

Why Intellect ?

4

Case Studies

5

Summary

## Retail Banking



# Chapter 1

Year 2020

Size of the Market

Retail Banking  
Trends

The COVID-19 pandemic has changed how we work, travel, communicate, bank, shop and more ....

# 2020-21: Retail Banking in the age of COVID-19

57%

- 57% fall in cash usage
- Rise in payments using
  - Credit cards (7% net)
  - Debit cards (10% net)
  - Online payment tools (14% net)
- Contactless as the preferred payment option (up 34% net)

24%

Respondents expect banks to operate more digitally in the next 12-24 months

27%

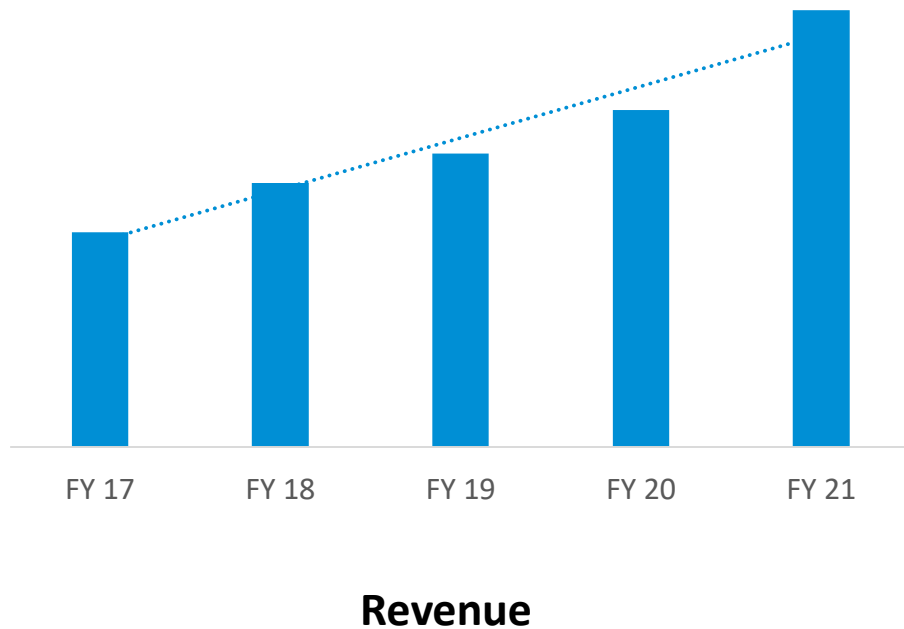
Consumers who agree that banks will be more flexible in the next 1-2 years



Banks need to accelerate digital transformation and customer experience across products and customer journeys

**COVID-19 has changed everyone's mindsets & circumstances forcing banks and Intellect to adopt to remote working**

# Confidently navigated global crises and came out stronger



Resilient business model backed by consistent innovation-focused strategy

# Confidently navigated global crises and came out stronger



## #1 ranking by IBS Annual Sales

**League Table 2020** Intellect Global Consumer Banking (iGCB), the retail banking arm of Intellect, retained its #1 Global Leadership position in retail banking for the second time in a row.



**7-time Leader** in Gartner's Magic Quadrant for retail banking

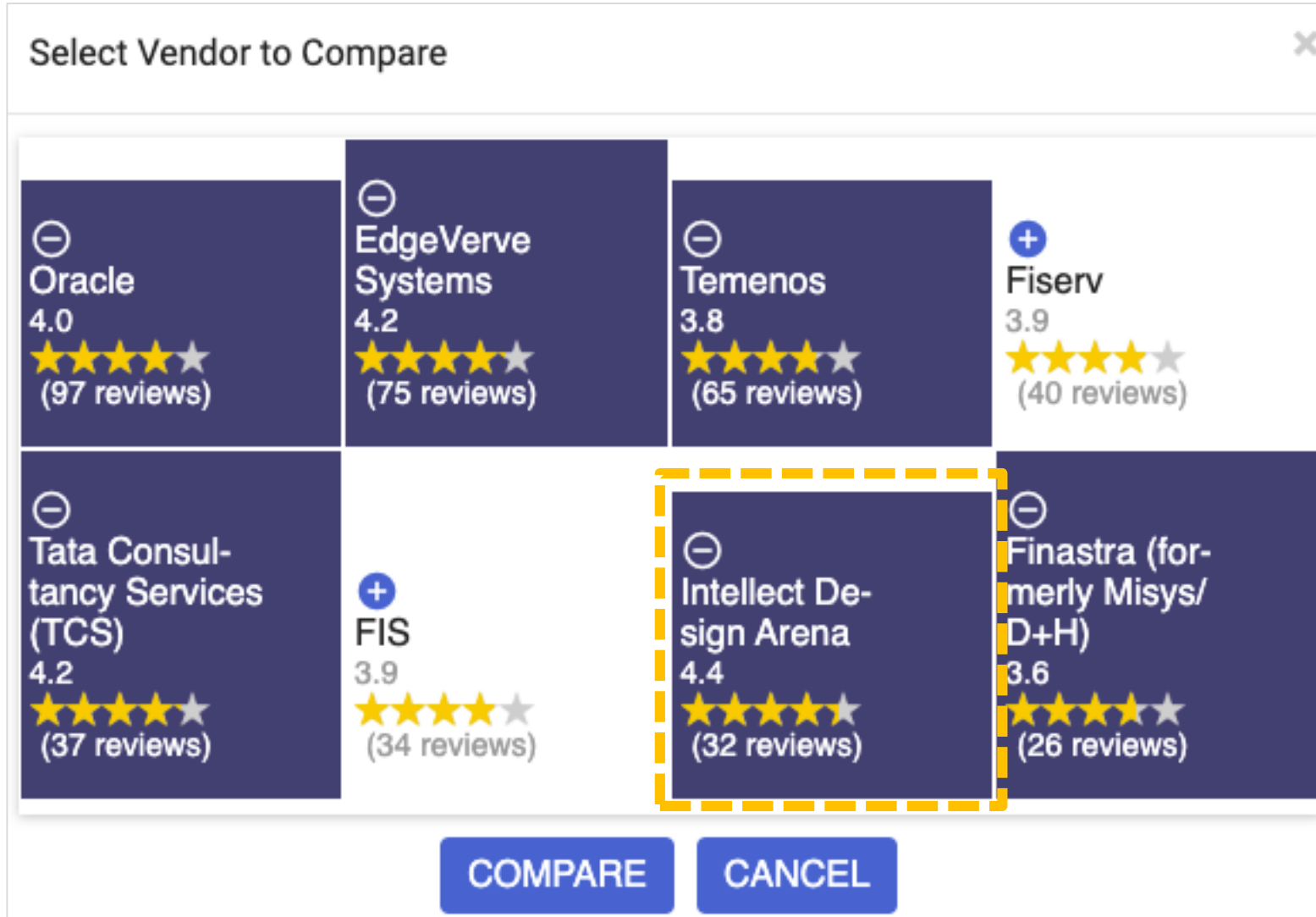
## Awards

Lending powered Yes Bank has won the award for **Best Fintech Partner Bank in Asia for its API first initiative at IDC Financial Insights Innovation Award (FIIA)**

Won the **IBS Intelligence Award** for the Most Impactful Project in Digital Lending Category for SVFC

**Winner of 'Most Innovative Product'** By Economic Times Innovation Award 2019-20 for CBX-O

# Gartner : Peer Insight Ratings for Global Retail Core Banking



# Chapter 1

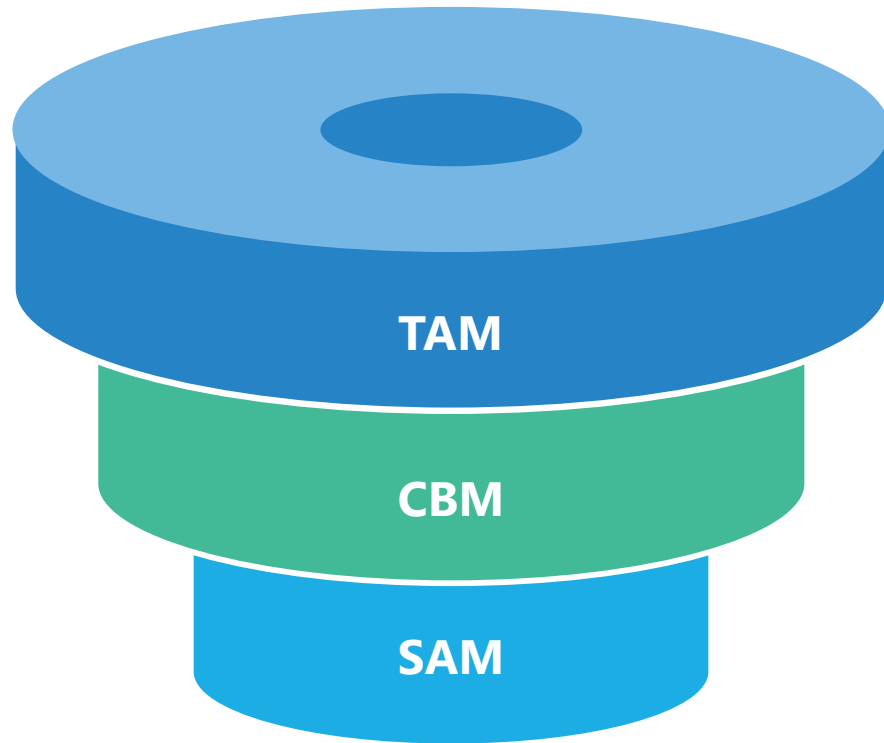
Year 2020

Size of the Market

Retail Banking  
Trends

**Intellect Addressable Market - \$ 10.8 Bn, growing at a CAGR of 10%**

# Huge Headroom for growth exists for Intellect Retail Banking



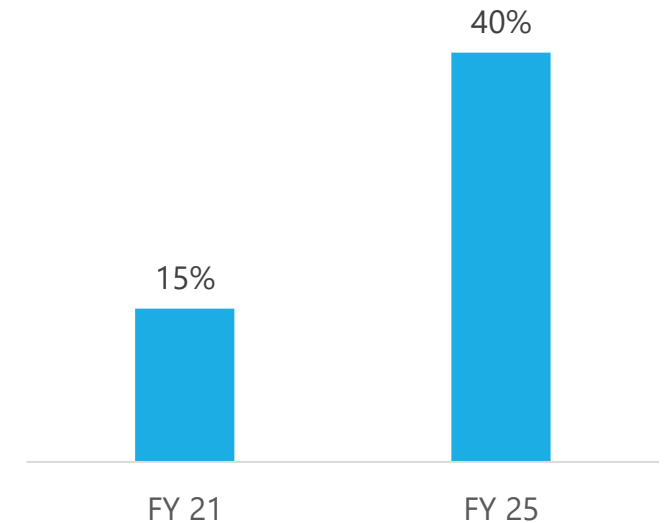
**\$60 Bn**  
TOTAL ADDRESSABLE MARKET

**\$18 Bn**  
CHANGE THE BANK MARKET

**\$10.8 Bn**  
INTELLECT SERVICE  
ADDRESSABLE MARKET

CAGR – 10 %  
FY 2025 - \$ 15.81 Bn

## SAAS Revenue





# Chapter 1

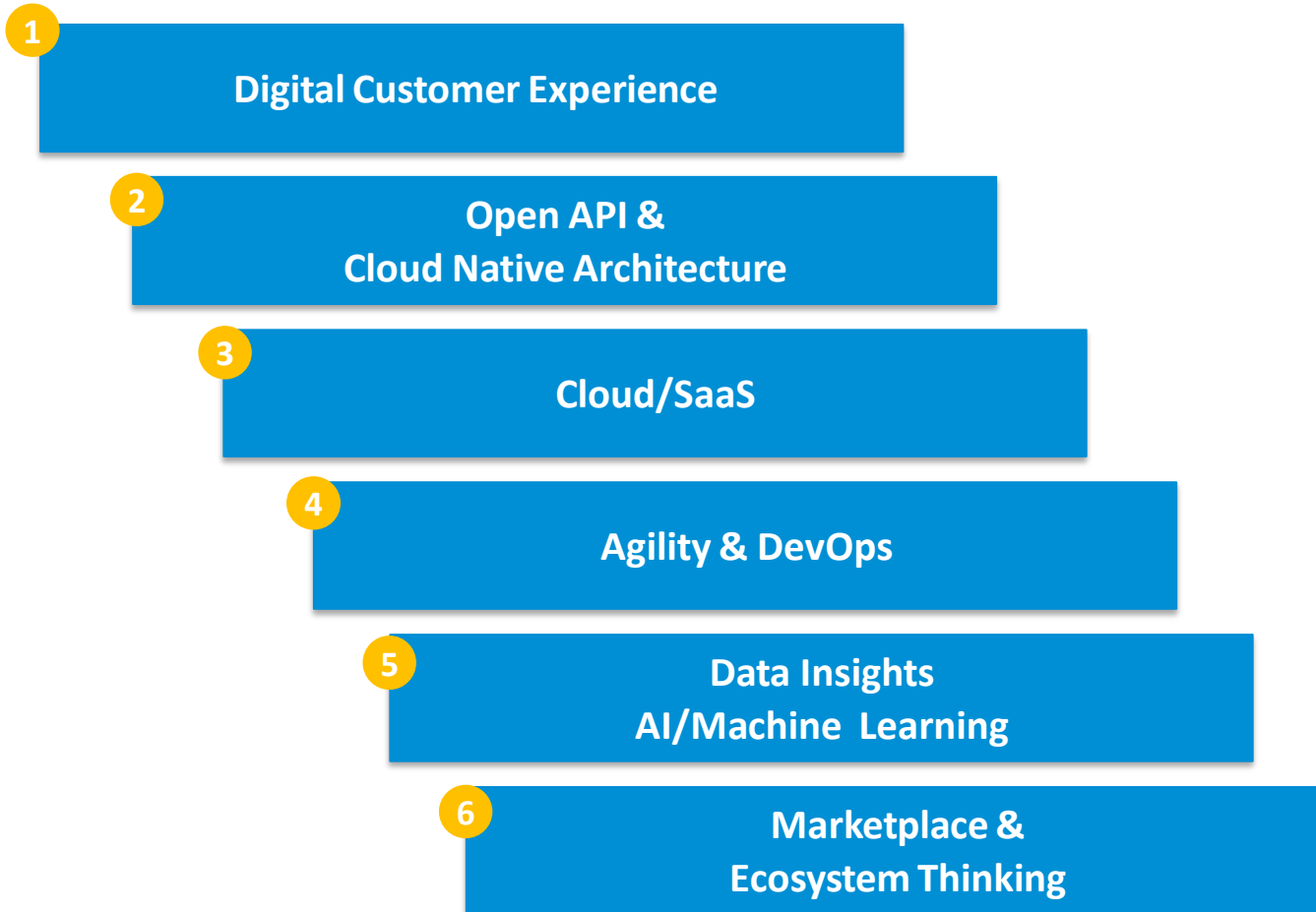
Year 2020

Size of the Market

Retail Banking  
Trends

**61% of bankers say a customer-centric business model is “very important”. Only 17% are “very prepared” for it**

# Key Patterns in Retail Banking Technology



## Top Trends – Retail Banking Industry

**58%** Removing friction from the Customer Journey

**43%** Use of Big data, AI, AA and cognitive computing

**33%** Use of APIs and Open Banking

Source: Digital Banking Report Research - **The Financial Brand**

# Chapter 2

**Purpose**

**4 Prong Strategy**

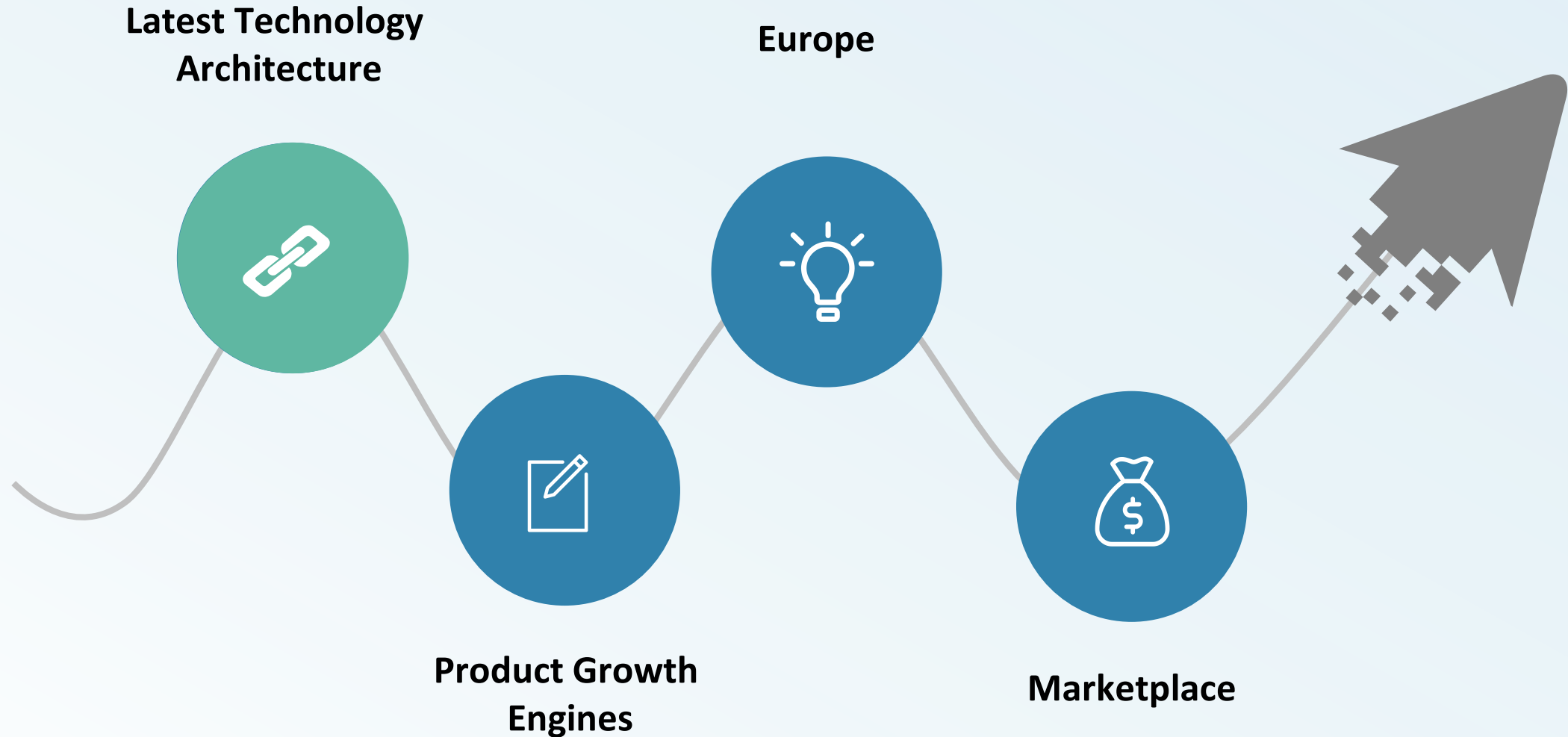
**Calibrated, Consistent and Profitable Growth Trajectory in next 5 years**

## Our Purpose

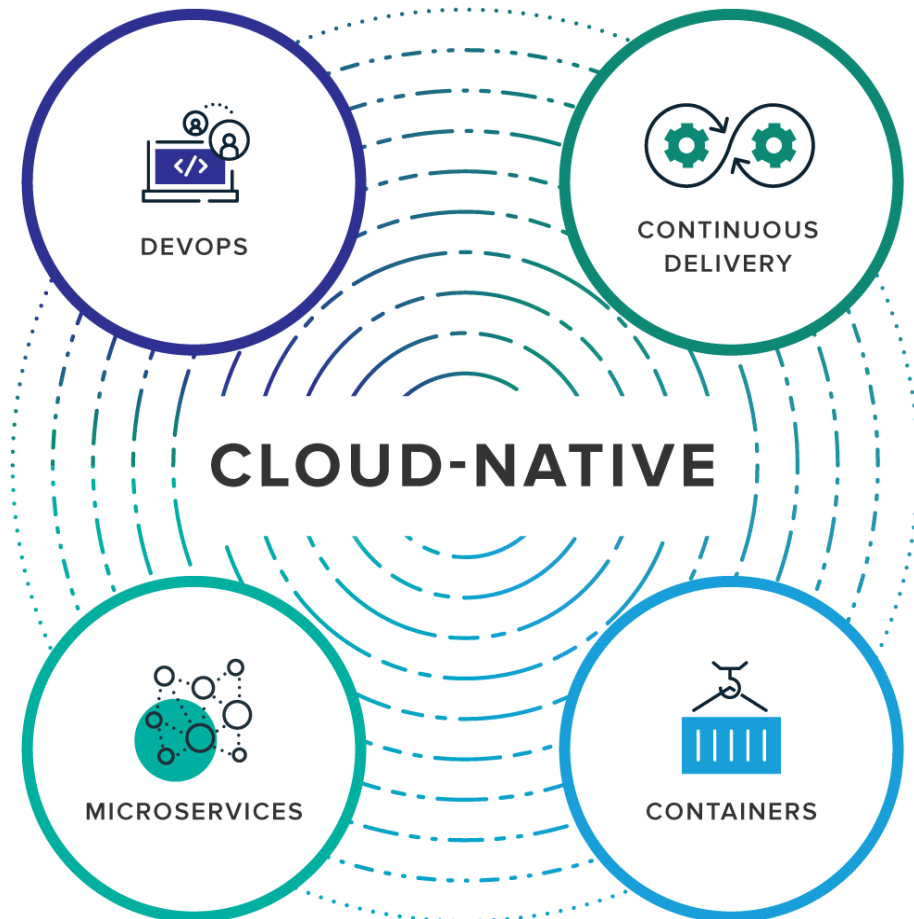
To enable banks (our customers) deliver customer delight to their customer at the **lowest TCO**



# Our Strategy for Growth



# Latest Technology Architecture

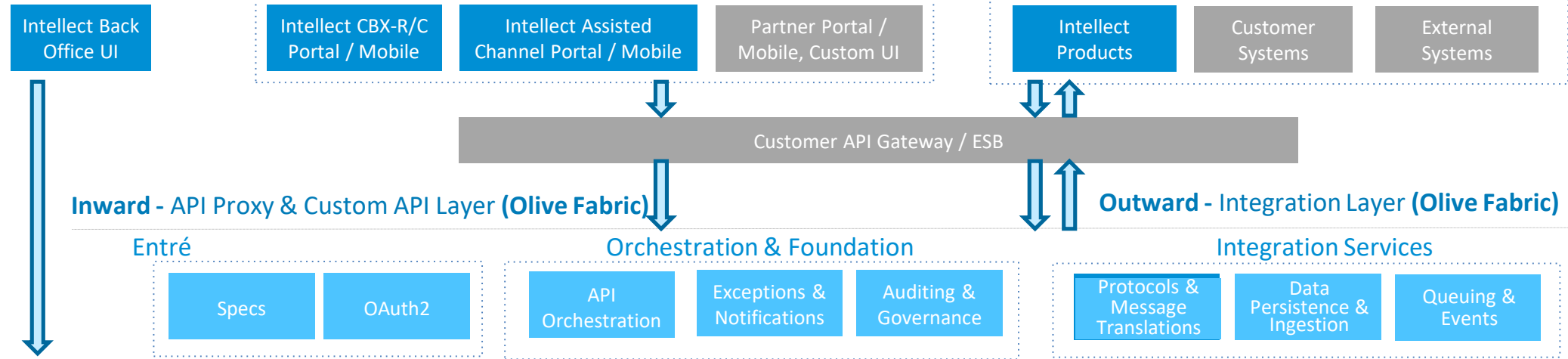


- ✓ **Microservices** architecture
- ✓ **Container technology** for deployment flexibility and scaling
- ✓ **Continuous delivery:**
- ✓ **DevOps** culture
- ✓ Cloud agnostic
- ✓ Private , Public and Hybrid cloud models

# Architecture Blueprint

## UI / Channels

## Other Systems



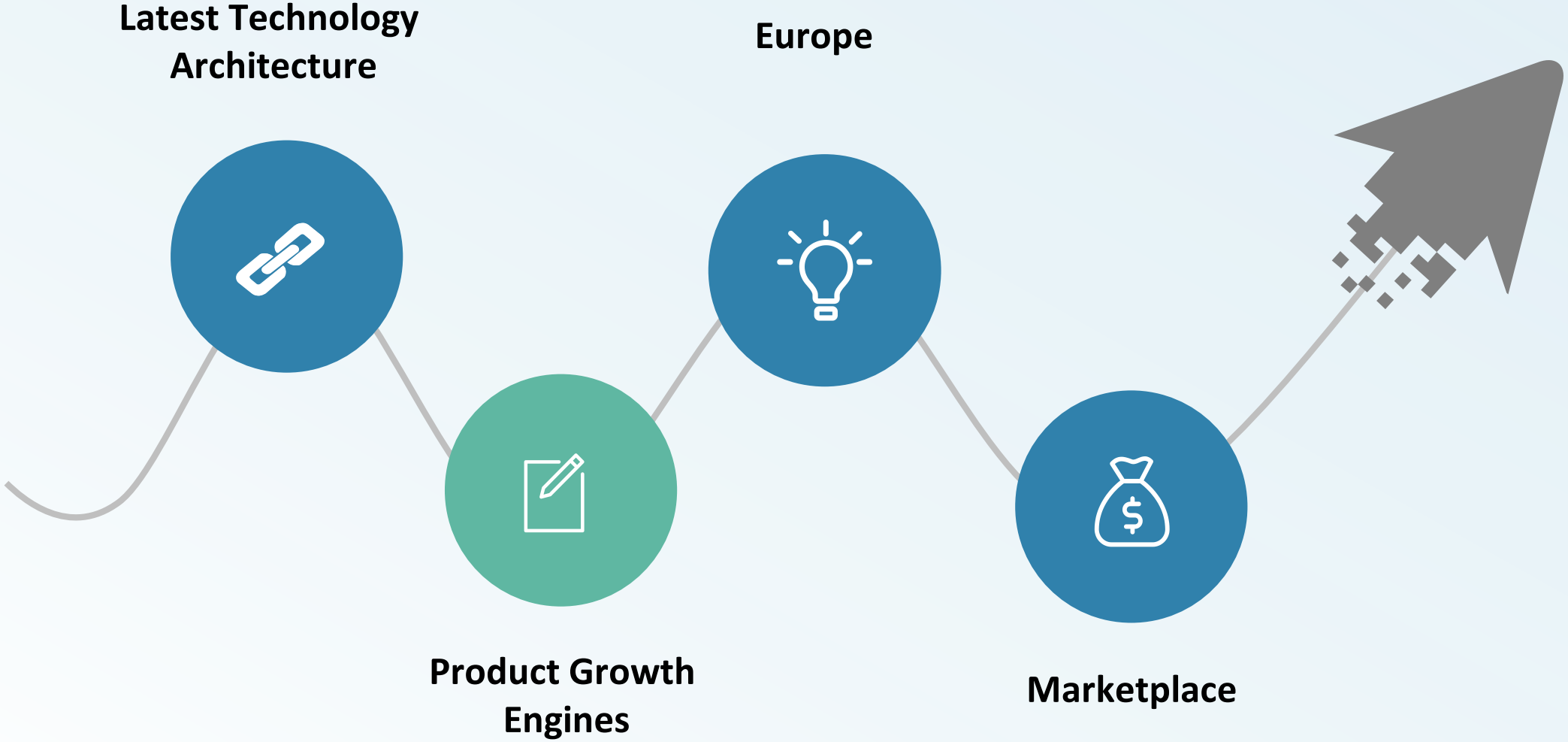
## Microservices



## Backend / Cloud Services



# Our Strategy for Growth



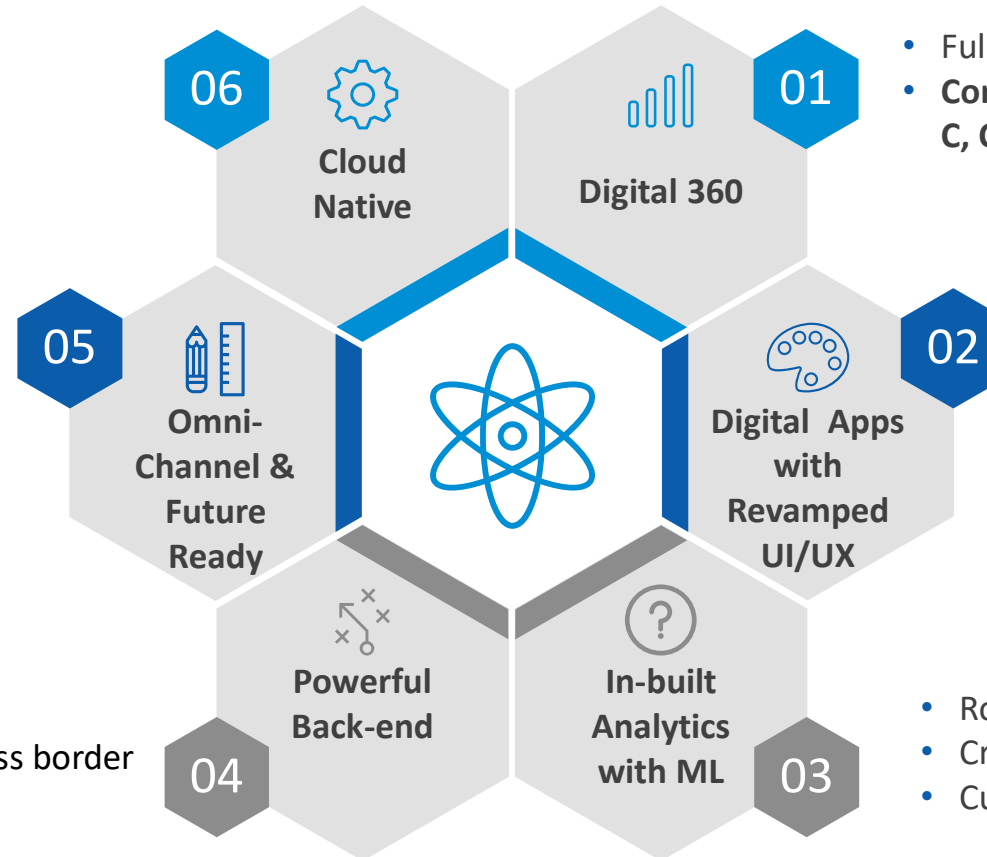


# Product Growth Engine 1 : IDC 21

- **CSP Agnostic** ( AWS, Azure, IBM )
- **Composable Business components**
- **BIAN Compliant APIs**

- **Scalable Architecture-Capacity on Demand**
- **Enhanced BPM**

- **Enterprise wide Pricing Engine**
- **Product Bundling**
- **Payment Hub for P2P, Domestic & Cross border with Europe readiness.**
- **Multi Lingual Statements**



- Fully integrated product suite
- **Composable Services - Deposits, Teller, GL, CASA, CBX-C, CBX-R, IDL, Trade Finance, AML & Treasury**

- **Apps for retail & corporate banking**
- **Completely Decoupled & Refreshing UI**
- **Less clicks - Revamped UX**

- Role based **Contextual Dashboards**
- Cross sell/upsell using **Predictive Analytics**
- Customer 360° view

**IDC 21 - Composable. Contextual. Open API. Cloud Native**

# IDC 21: Packaged Business Capabilities and APIs



01

A total of **100 PBCs** are supported by Intellect Digital Core through Intellect and 3<sup>rd</sup> parties and partners.

02

**927 Externalized APIs** with 842 being Self Sourced and 85 are partner APIs

03

**BIAN Compliant APIs**

# IDC 21 Differentiators - Analyst View

Breadth of Functionality across Core, Lending, Trade and Treasury (Celent ABCD Vendor view 2019)

Modern Architecture (Forrester Wave 2020)

Recognized for API, Microservices (greater than avg numbers) and Open banking (Gartner MQ 2019)

Flexible Vendor (Forrester Wave 2020)

Excellent Customer Feedback (Gartner, Forrester, Celent and IDC)

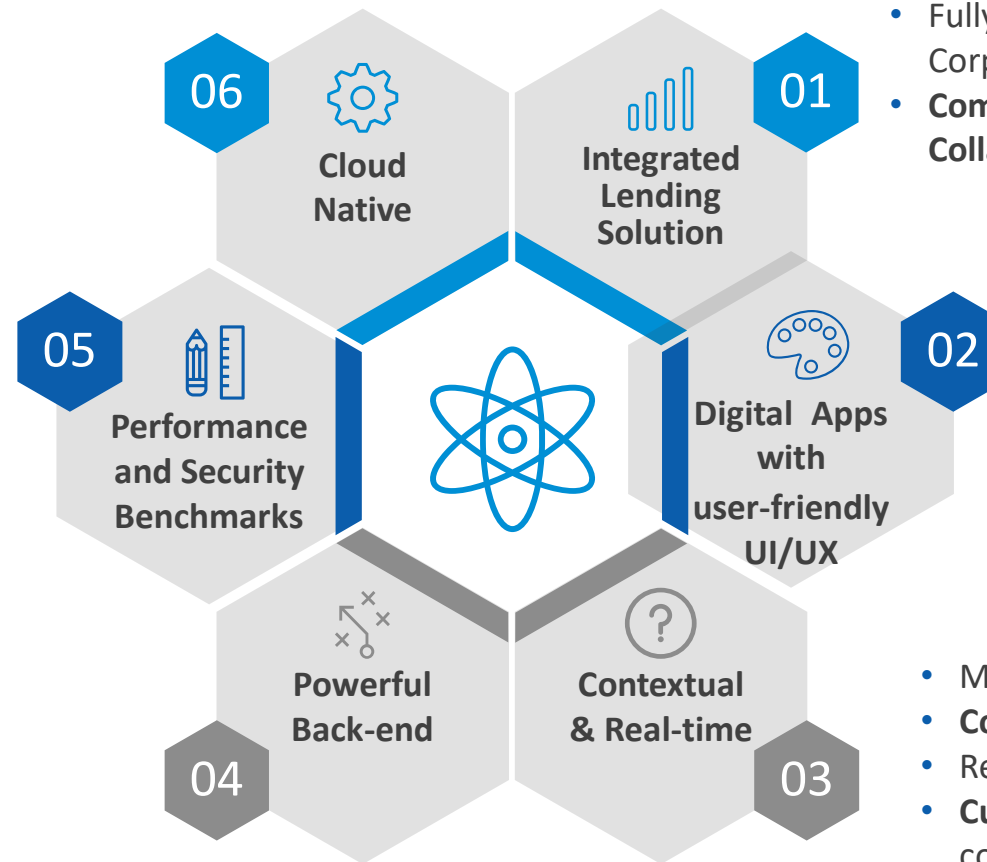
Operations is a bright spot and Maintenance cost one of the lowest (Gartner 2020)

# Product Growth Engine 2 : IDL 21

- Containers based deployment managed by Kubernetes for extreme scale
- **Multi-Tenant & Multi-Lingual**

- **5-minute Critical EOD for 1.2 Million Loans**
- **Key APIs benchmarked for 400-600 TPS**

- **Industry standard workflow engine**
- **Powerful Business Rules Engine**



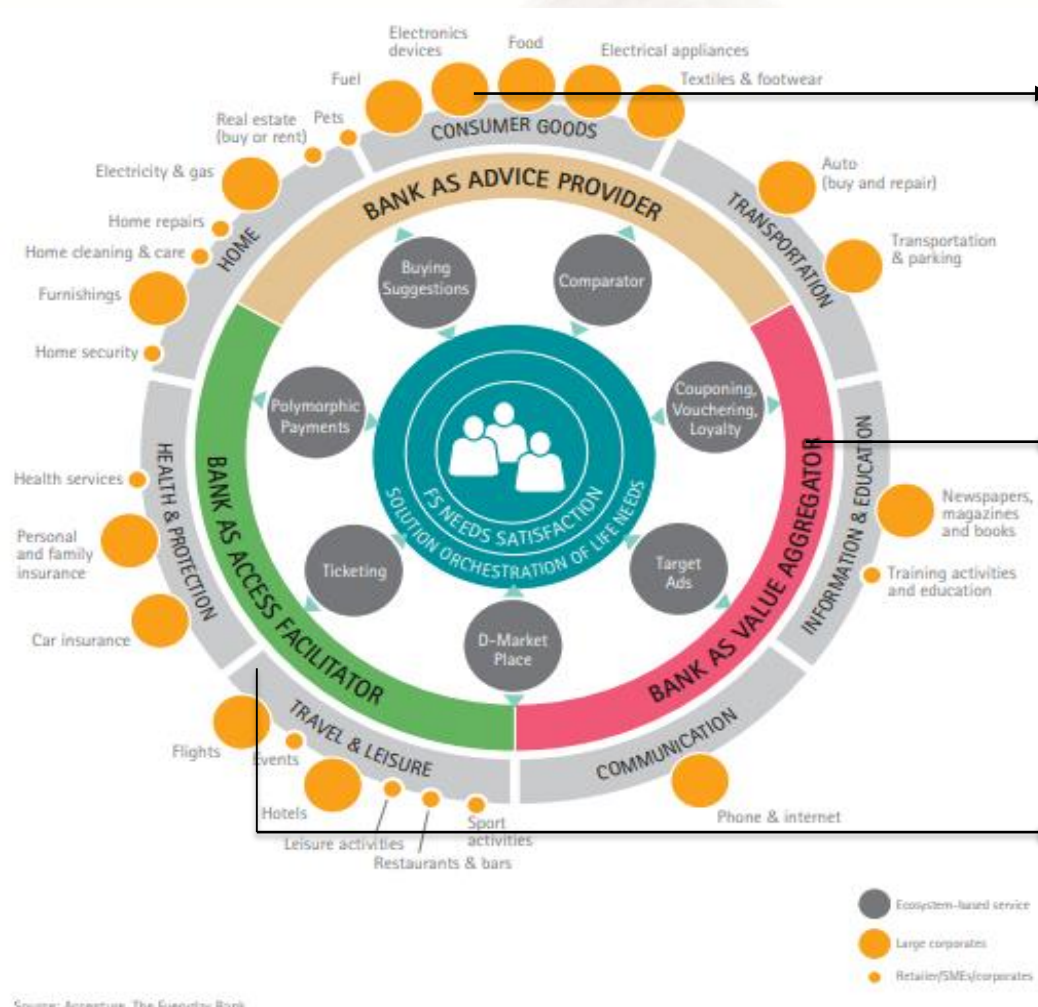
- Fully Integrated Lending Suite across Retail, SME and Corporate
- **Composable Components– Origination, Loan Mgmt, Collateral & Limits Mgmt, Debt Mgmt.**

- **Apps across loan life-cycle** - Digital Agency, Digital Collector, RM Tablet on-boarding
- GPS and Geo-coding enabled apps

- ML based Credit risk analyst
- **Contextual** Data Capture
- Real-time exposure monitoring and tracking
- **Customer 360°** view across exposure limits and counter-party

**IDL 21 - Composable. Contextual. Open API. Cloud Native**

# Product Growth Engine 3 : Digital Bank



Source: Accenture, The Everyday Bank




## DNA of a Lifestyle Digital Bank

# Product Growth Engine 4 : Quantum Banking



Banking Services 1




Government Services 2



Enterprise General Ledger 3



Currency and Vault Management 4




Collateral Management 5




Credit/Market Operations 6




Depository & Public Debt Management 7



Treasury & Risk 8




Trade Finance 9



National Payment Systems 10

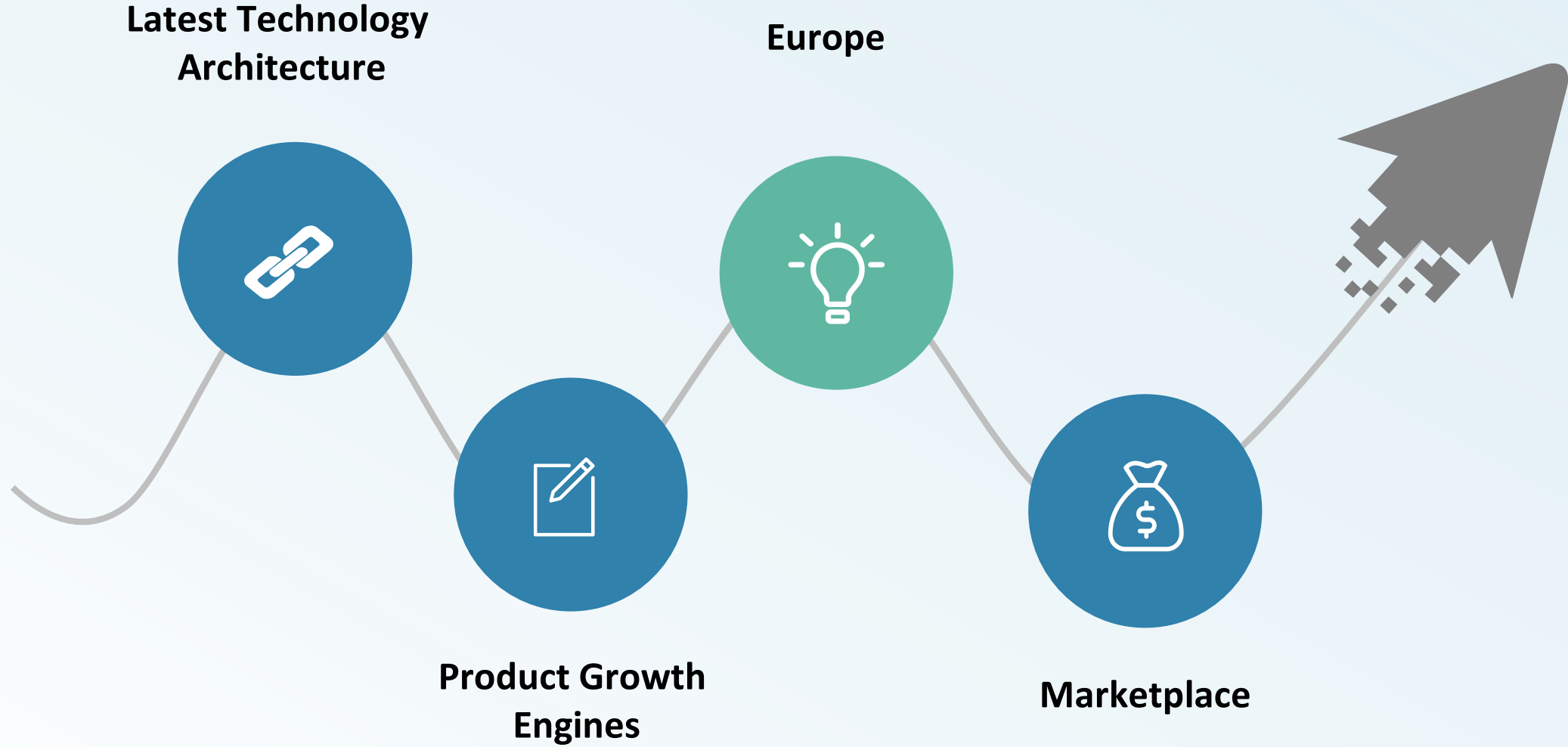


National Level Credit Aggregation & Reporting 11



Cross Border FX Transaction Management 12

# Our Strategy for Growth



# Europe Strategy

1 Building Solution, Delivery and hosting capabilities in Germany and UK

2 2 Marquee clients – Cater Allen and Otto. Last 2 in many deals

3 Fully Hosted IDC Solution in AWS Germany and UK

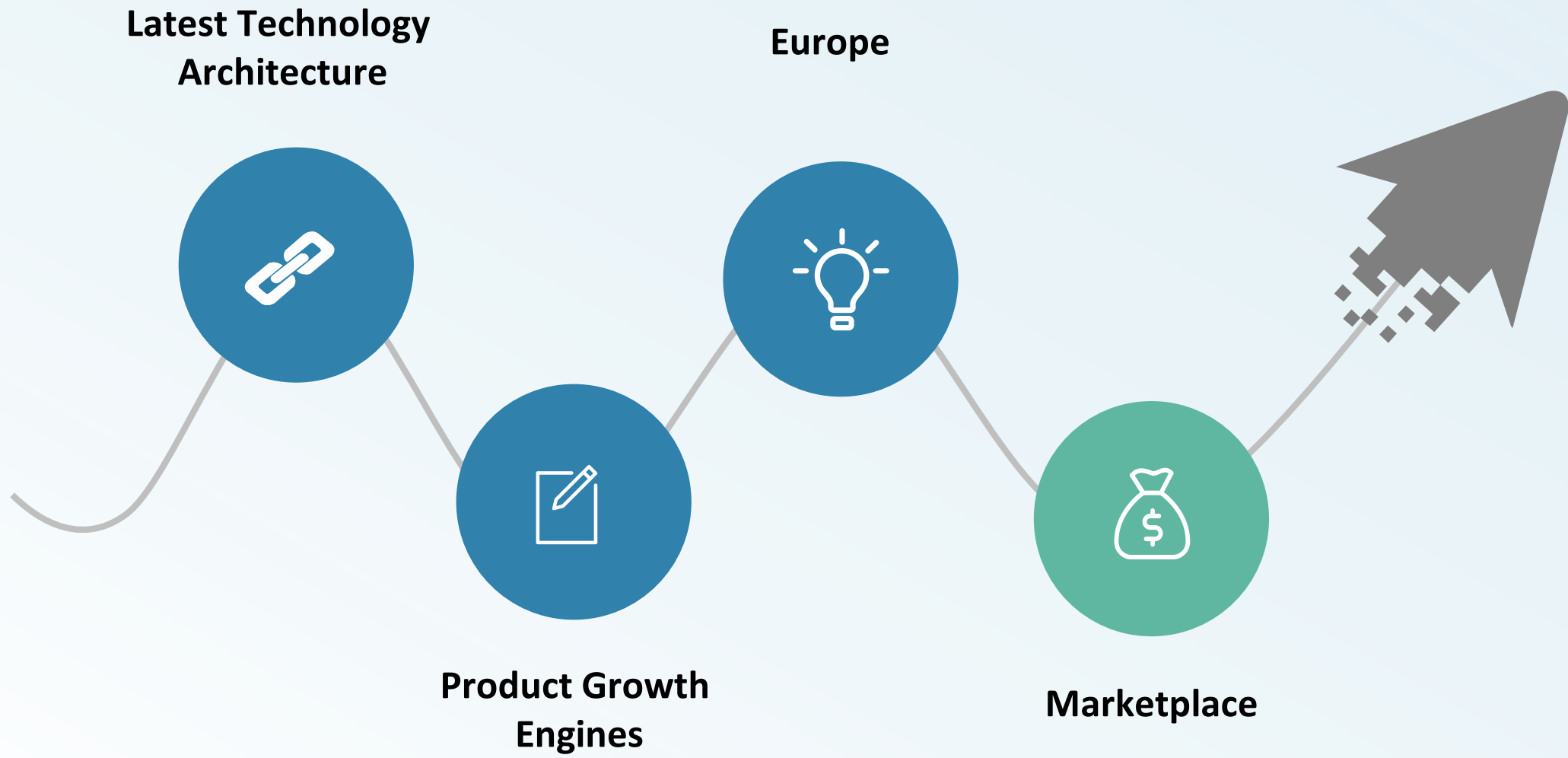
4 Regulatory, open Banking , PSD2 Compliance

5 Kredit 360 Launch in Europe

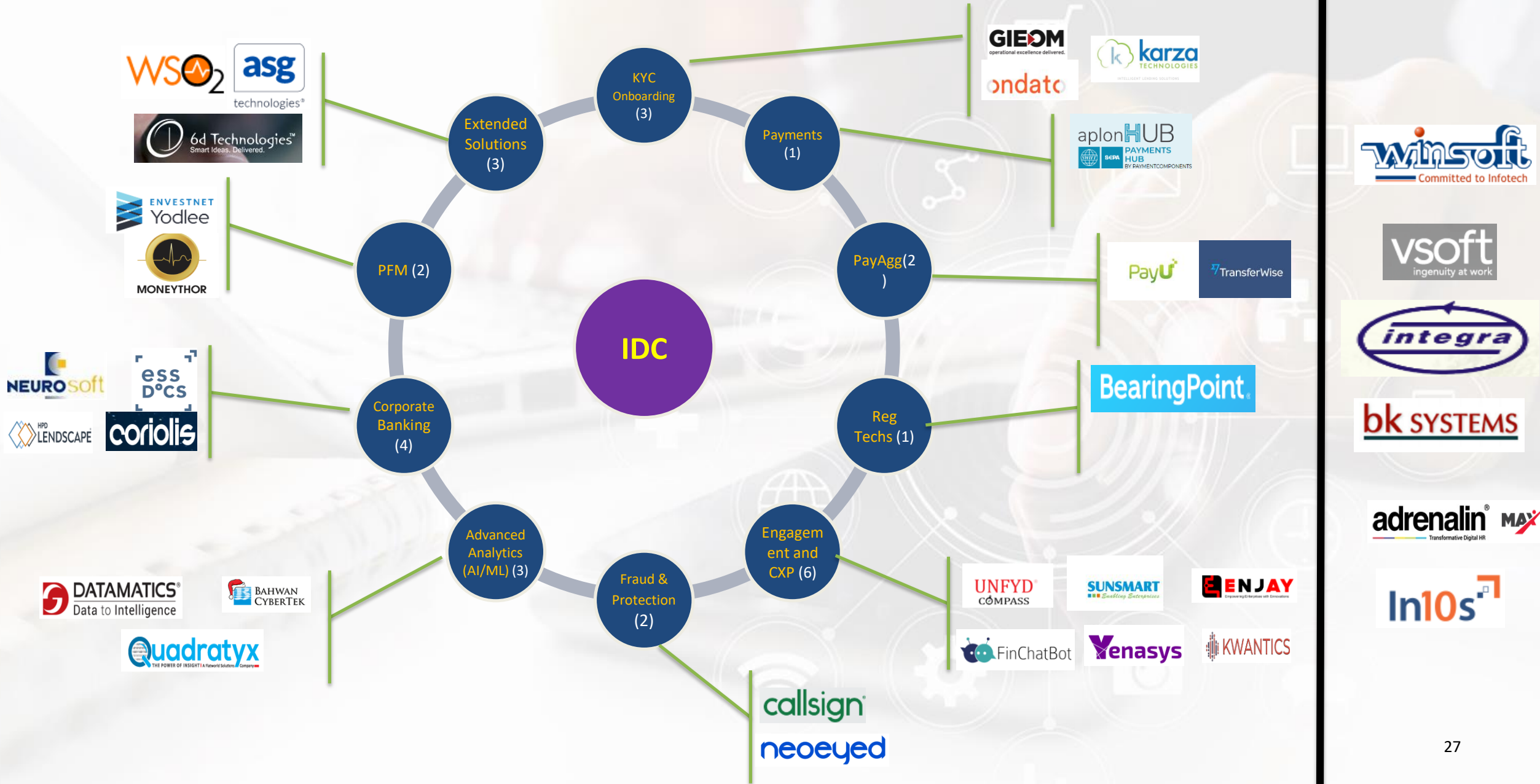




# Our Strategy for Growth



# Intellect Marketplace | A Banking Operating System



# Chapter 3

**Why Intellect**



Proven at Banks  
of all Sizes,  
across all Geographies

# Why Intellect ?



**Breadth of  
functionality**



**Open API and Cloud –  
Native Architecture**



**Domain  
Expertise**



**Agile  
Implementation**



**Deal Intensity &  
Customer Referenceability**



**Marketplace &  
Ecosystem Thinking**

# Why do we win ?

## Traditional Vendors

1. Architecture
2. Breadth of Functionality
3. 10 - 15% TCO benefit
4. Deal Intensity



## NEO Vendors

1. Domain Expertise
2. Breadth of Functionality
3. One Stop Vendor
4. Customer References

# Ready for SaaS Acceleration



India



Canada



UK



Germany



Dubai

Hosting  
Capabilities

Cloud Ready Products

IDC, IDL, CBX

Private Data  
Centres

AWS

Microsoft Azure

IBM FS



Private & Public  
Cloud



# The Winning Combination

**Breadth of  
Functionality**

+

**Architecture**

+

**Domain  
Expertise**

=



# Chapter 4 | Case Studies

**Tier 2 Bank in  
North America**

**Large Retailer in  
Europe**

**Bank of  
Mozambique**



# Tier 2 Bank | North America

## Case Study

### About

- Currently, serving only the Credit Unions
- Serving 5 million plus members

### Intellect Products

- Customer On-boarding
- Intellect CBX R
- Intellect CBX C
- Commercial Loan Origination
- Intellect Olive Fabric

### Objectives

- Enable bank to launch a digital bank, and digitally deliver the right client experience to the customers
- Broaden customer service offerings to direct customers
- Build a future-ready micro services, cloud native architecture

# Large Retailer | Europe

## Case Study

### About

- Germany's leading online shopping marketplace
- One of the biggest E-com players in Europe
- Handling over 40 Million invoices and 20+ million e-com loans

### Intellect Products

- Loan Life Cycle Management
- Dunning
- Refinancing
- Factoring
- Accounting Engine
- Partner Settlements

### Objectives

- Complete digitization of credit business
- Scalable cloud architecture to support growing volumes
- Handle wide range of sales finance products with Factoring and Refinancing arrangements
- One Common Credit Platform to manage both B2B and B2C Business processes

# Bank of Mozambique | Africa

## Case Study

### About

- Banco de Moçambique) is the Central Bank of Mozambique.
- Bank reported Reserves of \$2300 million (2019)
- Governs 22 Commercial Banks in the Country
- Operates 2 Branches and 11 Offices

### Intellect Products

- Intellect Quantum Core
- Intellect Treasury
- Intellect Adrenalin HRMS

### Objectives

- Replace Legacy System built on SAP
- Standard Product with Best Practices
- Harvested from Intellect Expertise
- Reduce multiple interfaces. Consolidate Middleware with Olive Fabric
- Enable Online Access to Ministry of Economy and Finance & 19 Commercial Banks through Portal

# CHAPTER 5



## Summary

# Summary



1. After Calibrated growth for the last couple of year, we believe this is the **inflection** year for Retail Banking Business. All engines of the business firing : Solution, Execution, Engineering & Customer support
2. Three products: IDC, IDL & QCBS have hit critical mass.
3. Europe will continue to be a Star performer, validating our strategy.
4. Healthy Pipeline. Last 2 in several deals

**Overall cautiously optimistic about 2021-22 and strongly optimistic in the medium to long term**



# Intellect Technology Day 2021

The  
Contextual  
Composable  
Cloud Technology  
*Conversations*

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March 17, 2021



*Big Thank You for  
Being Part of our  
Wonderful Journey*



# Your Company is now #1 - Wholesale Banking - Transaction Banking

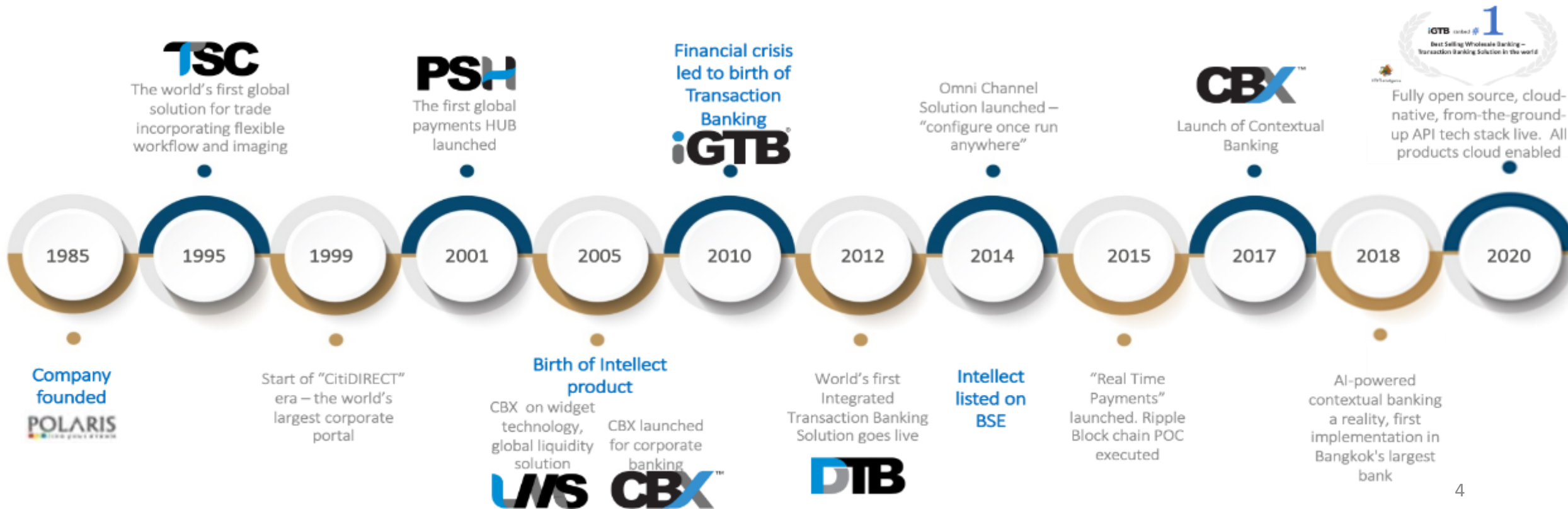
**iGTB** ranked # **1**

**Best Selling Wholesale Banking –  
Transaction Banking Solution in the world**



# Over Three Decades of Innovation & Leadership in Transaction Banking

Intellect's leadership and innovation in Transaction Banking from the global solution for Citi to the world's largest transaction banking portal "Citidirect" whose descendants are now live at many other global and local banks to "the first payments HUB solution". Our aggressively customer-centric design philosophy with its groundbreaking Design Centres has enabled the engineering of agile holistic digital solutions, with full lifecycle enablement and industry-leading performance assurances.





**10**  
AMERICAS

**14**  
EUROPE

**51**  
IMEA

**19**  
APAC

**94** customers

**91** countries

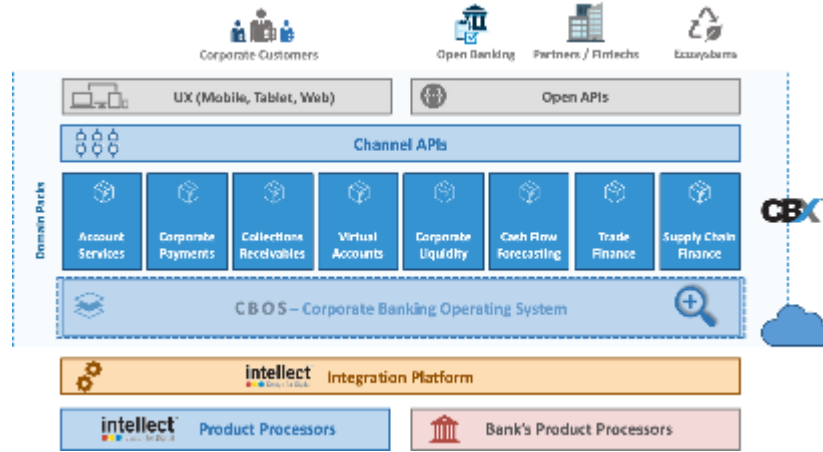
### CONTEXTUAL BANKING

Contextual Banking Experience (CBX) from iGTB is a white label digital transaction banking platform to manage flows, cash and trade that leverage machine learning and predictive analytics delivered through APIs and an open channel UX.

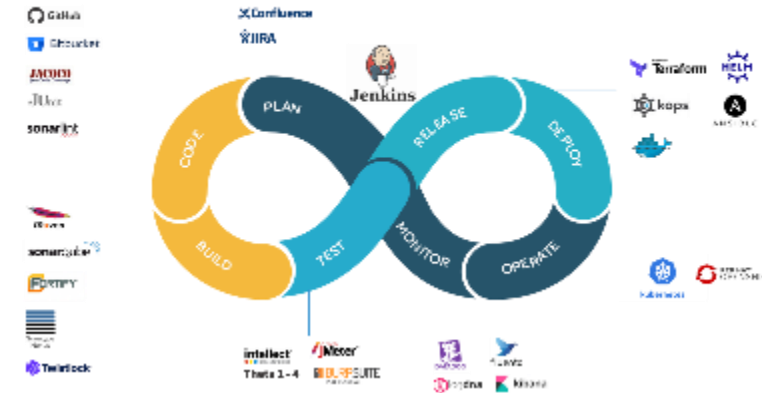
CBX provides the 400 user journeys that span the full complexity of corporate banking as microservices and UI components. This enables banks to accelerate customer self-service and both up-sell and cross-sell their services by providing clients with context-aware recommendations on the business acumen best offer needed to meet their immediate objectives.

First that is business aware. First for digital first with APIs. First optimized for user experience.

 <b>Digital Acceleration</b> API first, UX led, Cloud native	 <b>Digital Banking with Open APIs</b> Prepare to comply, Prepare to comply, GO- APIs available	 <b>Replace legacy Digital Channels</b> Reduce Complexity, Decrease Costs, Accelerate Innovation
 <b>Ready for Real-time?</b> Your client care	 <b>The Holy Grail: Joined up Banking</b> Integrated customer trade	 <b>Innovate on the Glass</b> World-class UX drives high self-service adoption



### DevSecOps – Accelerate Innovation and Learning



### Superior Customer Experience



- Modern UX and contextual capabilities.
- Compose, Enhance or build your own UI to keep with market trends.

### Rapid Time to Market



- OOTB services that are easily extensible.
- Converged platform enabling reuse.

### Innovation



- Enable partners to build niche and innovate apps.
- Composable and Open APIs increase distribution.

Built on  
Contextual  
Composable  
Hyperscale  
Secure  
Cloud  
Technology

# With a Vision of Consumerization Of Commercial Banking

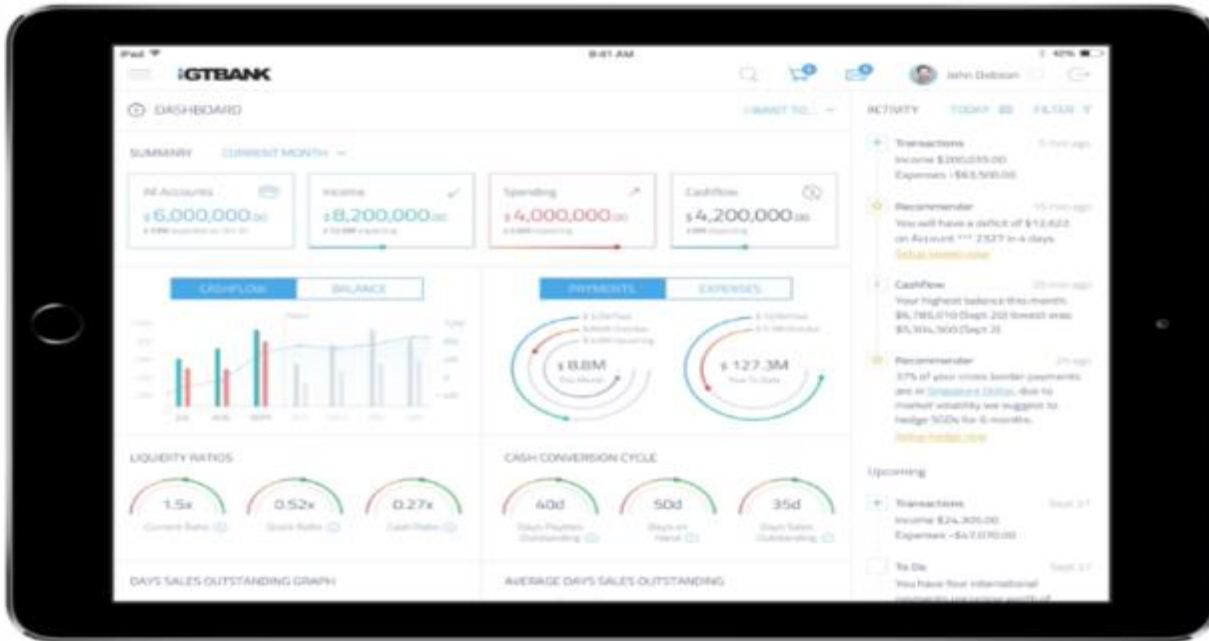
Desktop, Tablet, Responsive- and Native Mobile optimized

Deploy Anywhere: Cloud Native & On Premise

Contextual and Predictive through machine learning



API first and Micro Services based



Pluggable and Extensible Architecture

World class UX and Componentized UI for high Self Service adoption.

Self service enablement

Real time contextuality (AI/ML)

Branding and product packaging

“On Tap” Functionality extensions

Uniform User Experience

Powered by



DATA ENGINEERING

# Our Customers Are leading the Transaction Banking Marketplace

We measure our success by the success of our Customers

iGTB Clients Exceed Average Industry Growth Rate



21% growth in **HSBC** cash & liquidity

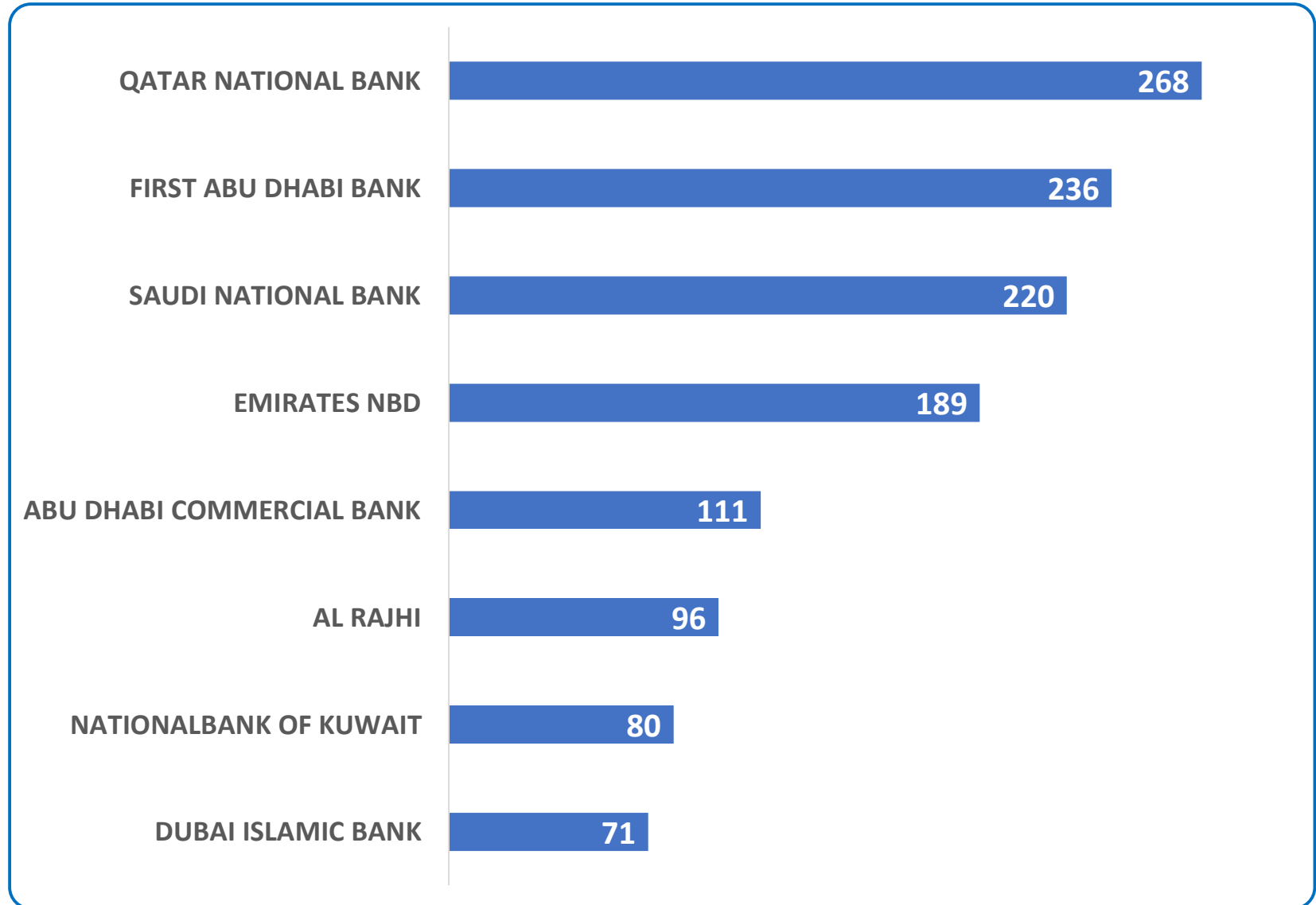
16% growth in **JPMC** global treasury services revenues

9% growth in transaction banking global revenues

The top 12 investment banks' revenues from transaction banking jumped to \$31.3bn.

Our GCC  
Customers are  
also leading the  
Transaction  
Banking  
Marketplace

---

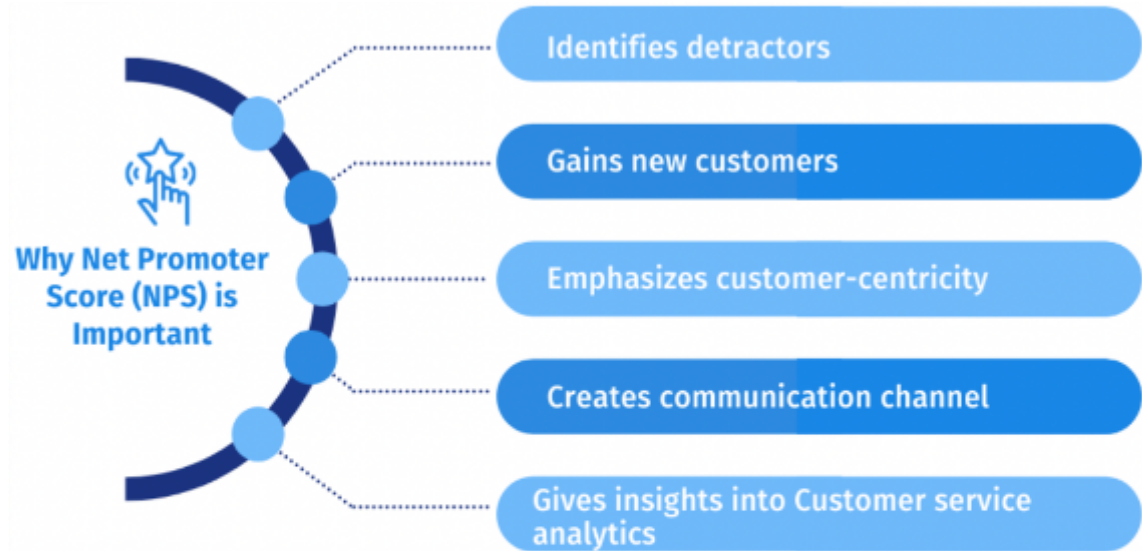
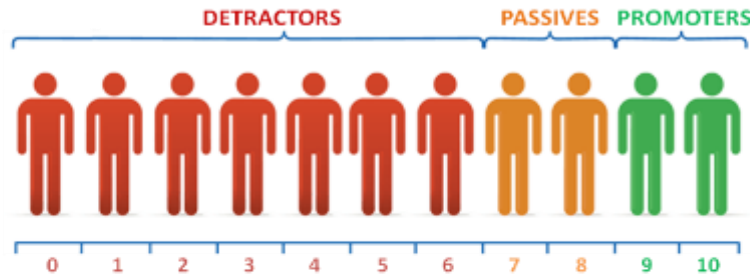


Source: Bloomberg - Total Assets as on Oct 20

# Our Customers are our Big Promoters

## 2020 NPS Score of 60

### Net Promoter Score



**NPS SCORE = 60**  
**Industry's best NPS score**

AVG INDUSTRY BENCHMARK FOR TECH COMPANIES\* - 43  
\* SOURCE - SURVEY MONKEY





# Intellect Technology Day 2021

Customer Speaks

# Our Leadership Position is Endorsed by 12 Market Leading Analysts

**iGTB**  
IS MARKET LEADER

**#1** TRANSACTION BANKING

*#1 Partner of Choice for Digital Transaction Banking Transformation Programs*



**STRONG PERFORMER**  
The Forrester Wave™ 2020 : Digital Banking Engagement Platforms



**#1 FOR RETAIL BANKING**  
**#1 FOR TRANSACTION BANKING**  
IBS Annual Sales League Table 2020  
**2 GLOBAL FINTECH INNOVATION AWARDS**  
Most Innovative Digital banking platform at HLBB  
Best payment system implementation at CIBC  
**#1 IN GLOBAL PAYMENTS SYSTEMS**  
**#3 IN GLOBAL DIGITAL BANKING & CHANNELS**  
IBS Annual Sales League Table



**MODEL BANK AWARD**  
Emirates NBD wins for Transaction Banking Transformation  
**PERSONA-BASED UI**  
Top Trends in Corporate Banking 2019-2020  
**#1 PACESETTER IN CUSTOMER ENGAGEMENT**  
Cited for developing persona-based customer journeys  
**ADVANCED A.I. MOUNTAINEER**  
Only Product company with complete Corp Banking suite with integrated UX,UI  
**2 XCELENT AWARDS**  
Advanced Technology and Breadth of Functionality



**IGTB IS A NOTABLE EXAMPLE**  
Extensive use of micro services and cloud-native PaaS technologies



**LEADER IN TRADE FINANCE**  
MarketScope report: Worldwide Trade Finance Systems 2020  
**LEADER IN CORPORATE BANKING SOLUTION**  
Worldwide End-to-End Corporate Banking Solution Providers 2019  
**FINTECH 100: 3 REAL RESULTS AWARDS**  
Future Ready Payments Implementation at CIBC  
Digital Transformation Leader at IDFC  
Customer Experience at NBK



**GOLD CLASS AWARD**  
Digital Transaction Banking



**#1 FOR OPEN BANKING**  
Full Score on Interactive Open Banking Channel Capabilities



**CASH MANAGEMENT SURVEY 2020**  
#1 Mashreq Bank  
#5 Emirates NBD  
**TRADE FINANCE SURVEY 2021 – 2019**  
#4 Raiffeisen Bank International



**FINTECH POWER 50**  
Transforming Financial Services



**LEADING GLOBAL VENDOR**  
Online Banking Solutions Technology Analysis



**INNOVATION AWARD FOR CUSTOMER EXPERIENCE**  
Abu Dhabi Islamic Bank  
**TOP 5 TRADE & SUPPLY CHAIN VENDOR**  
Aite Matrix: Trade Finance Software Report  
**#1 FOR APIs**  
Top Rating on all six measures: Development, Wholesale banking, Sandbox, Connectivity, Management and Analytics



**BEST PAYMENTS HUB**  
Santander wins inaugural award  
**INNOVATORS IN CASH MANAGEMENT**  
FAB wins for the Global Cash Position Mobile App  
**BEST INTEGRATED CORPORATE BANKING SITE**  
Abu Dhabi Islamic Bank wins for ME  
**BEST BANK FOR LIQUIDITY MANAGEMENT**  
First Abu Dhabi Bank wins for ME  
HSBC wins in Asia Pacific  
**BEST BANK FOR CASH MANAGEMENT AWARD**  
Abu Dhabi Islamic Bank wins for UAE  
Abu Dhabi Commercial Bank wins for ME  
Arab Bank wins for Jordan, Bahrain, Qatar and Lebanon  
First Abu Dhabi Bank wins for UAE  
HLBB wins for Malaysia  
CIBC wins for North America and Canada  
**2 PRODUCT INNOVATION AWARDS**  
Ripple-backed Payments Solution  
Corporate Banking on the Watch

# Our Investments in Modern Cloud Platforms Ready to Fast Forward to Digital Next

iGTB is Powered by Composable,  
Contextual & Hyperscale Technology  
Architecture



#1 Partner of Choice for Digital Transaction  
Banking & Corporate Liquidity Management  
Transformation Programs

---

**DTB** **Digital Transaction Banking**  
World's First Integrated Digital Transaction Banking Enterprise Platform delivering  
Omni-Channel Cash & Trade Product Processors

---

**CBX** **Contextual Banking Experience**  
Composable, Contextual & Hyperscale Customer Experience Digital Platform to  
manage Corporate Cash & Trade

---

**LMS** **Liquidity Management Platform**  
Cash Unleashed with Full, Contextual, Real-time Control. Far Beyond just the  
World's Best Cash Concentration, Notional Pooling and Investment Sweeps.  
Includes Deposit Management and Virtual Accounts for Own Money or Client  
Money. Born in the Cloud

---

**PSH** **Payment Services Hub**  
Unified Payments Platform Optimising critical Business Interactions - Leveraging  
Context Aware operating system

---

**TSC** **Trade & Supply Chain Finance**  
Fast Forward to Digital 360° Open Architecture Solution ready for Future Changing  
Ecosystems, with Best-Next-Action Design, AI-powered Smart Paper Killer, Limits  
Management and Risk Distribution, on Cloud or on Premise. Enable Open  
Networking

 **34**  
# COUNTRIES

 **57**  
# CUSTOMERS

Cloud-ready  
solution  
available



CLOUD PLATFORM



ANALYST COVERAGE

Advanced AI Mountaineers in Corporate Banking,  
Digitizing Accounts Receivables, Banks as  
Frontrunners, Leader in IDC marketscape,  
worldwide, end-to-end banking solution



## STAGE 5



**Digital Transaction  
Banking**

# #1 most comprehensive integrated transaction banking solution globally

processes transactions worth  
**\$350+ billion**  
every year

pays  
**\$50 billion**  
salaries every year

over  
**100 billion**  
corporate transactions  
executed every year



KEY FUNCTIONALITY

No other vendor has fully integrated cash and trade offering including supply chain finance, front to back. Capable through iZoom to go live for a bank within weeks.



ARCHITECTURE

Cloud-ready with composable & contextual digital. Significantly superior digital experience with respect to the competition



COMPETITION

Win rate of 60% from all RFPs participated in the last 4 years

Finastra  
Oracle  
Nucleus  
Software  
(Asia)



CLOUD



OPENSIFT





**55**  
# COUNTRIES




**56**  
# CUSTOMERS



AI + MACHINE LEARNING

Cloud-ready solution available



CLOUD PLATFORM



ANALYST COVERAGE

FORRESTER  
accenture  
Aite  
CELENT

STAGE 3



The contextual, composable hyperscalable, trendsetter

built leveraging  
**1,000+**  
proven customer TB journeys

offering  
**450+**  
open banking APIs



KEY FUNCTIONALITY

White label digital banking for corporations, SME/SMB covering Payments, Account Services, Liquidity, Collections & Receivables, Virtual Accounts, Escrow Management and Cash Flow Forecasting



DIFFERENTIATORS

Best-next-action  
Best-next-offer  
UX-led  
Persona-based  
Covering all corporate banking domains  
Part of Intellect CBX family



ARCHITECTURE

Cloud native, API-first  
Fully open source  
Contextual powered by AI/ML  
Cross-domain data fetch  
Full score (Gartner) for interactive open banking channel capabilities

Singled out by Accenture as notable example of extensive use of microservices and cloud-native PaaS technologies



COMPETITION

Coconet  
Finastra  
Infosys  
Internal IT



CLOUD



OPENSIFT





**56**  
# COUNTRIES



**40**  
# CUSTOMERS

Cloud-ready solution available



CLOUD PLATFORM



ANALYST COVERAGE

- iGTB clients regularly win awards for best-in-class liquidity
- Recent Aité Fireside Chat with iGTB & BNY Mellon
- IDC: “Covid-19 forced CFO focus on liquidity. In response, 65% of corporate banks will invest in supporting predictive liquidity”

STAGE 5



**Liquidity Management Solution**

**#1 market leader in liquidity management, live in all continents**

allocates interest on over  
**\$35 trillion**  
notional pools every year

sweeps over  
**\$4 trillion**  
cash every year

processes worldwide  
**23%**  
of major currency cross-border MNC sweeps



**KEY FUNCTIONALITY**

Comprehensive sophisticated cash concentration, notional pooling, intercompany loans, investments plus much more including protecting bank balance sheet.

Includes predictive liquidity/CFF, real time funds control and virtual accounts including Escrow.

Country coverage means local regulations and taxation hold no fears for LMS.



**ARCHITECTURE**

Pegasus engineering.

**Born in the cloud, API-first, micro services**, pure open source, real time.

Front office uses Lisa SPA for banks' clients and bank staff.



**COMPETITION**

Two of our largest liquidity management competitors' clients have chosen to replace with iGTB LMS in the last 12 months.

Tieto  
Infosys  
ReVal



**CLOUD**



OPENSIFT

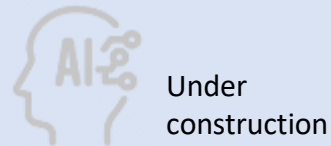




# COUNTRIES



# CUSTOMERS



AI + MACHINE LEARNING

Under construction



CLOUD PLATFORM



ANALYST COVERAGE

Ovum: best choice for tactical short term solution & building blocks of longer term foundation

Among global top 12 payment vendors worldwide in CEB (Gartner) report



## STAGE 3



Payments Services Hub

# Cloud-based context-sensitive corporate payments optimizing interactions

rolled out by one bank every

## 4-6 weeks

to a new country  
now live in 19 countries

## >1 million

payments processed per hour in live use



### KEY FUNCTIONALITY

Corporate payments in the cloud  
Payments pre-processing  
Orchestration  
Execution  
Limits management  
Remittance repository  
ISO 20022 rapid adoption



### ARCHITECTURE

Contextual digital  
Cloud native  
API-first  
Fully open source



### COMPETITION

Bottomline  
Finastra  
ACI  
Fiserv  
FIS



### CLOUD



OPENSIFT





# COUNTRIES



# CUSTOMERS



AI + MACHINE LEARNING



CLOUD PLATFORM

Cloud deployable



ANALYST COVERAGE

CBX Trade Finance judged best-in-class for corporate client services in CEB report

Assessed by Aité as 10% market share

Judged a leader by IDC

### STAGE 3



Trade & Supply Chain Finance

## Future of trade & supply chain finance with AI, risk mitigation & partner ecosystem



KEY FUNCTIONALITY

- Only solution covering both trade finance and SCF fully
- Transformational and sustainable
- Risk participation, distribution and mitigation
- Fast supplier onboarding
- IDX smart paper-killer that reads any form
- Limits management



PARTNER ECOSYSTEM



ARCHITECTURE

- AI/ML/NLP
- Best next actions
- IoT
- Open banking, fully composable
- Digital 360
- APIs
- Cloud deployable



COMPETITION

- Finastra
- Surecomp
- China Systems



CLOUD



CLOUD FOUNDRY

according to the ICC  
**\$60<sup>bn</sup>**  
trade finance opportunity for banks

according to the ICC  
**\$20<sup>bn</sup>**  
SCF opportunity for banks



# iGTB OXFORD

— SCHOOL OF TRANSACTION BANKING —

It was a wonderful experience; I learnt a lot and met many interesting people.

*Henrik Lang, MD, Head of Liquidity, Global Transaction Services, EMEA, Bank of America Merrill Lynch*

Great experience! You've done a great job putting this programme in place, so I strongly recommend it.

*Patrik Havander, Head of TxB Strategy & Commercial Excellence, Nordea*

I found that the group activities were an excellent way of drawing in different experiences. We could tackle a particular problem in perhaps a unique way that not any of us

## We contribute back to Eco-System Thru iGTB Oxford School of Transaction Banking

Over **200** alumni of senior transaction bankers ● **6** successful schools conducted ● **10** in-house bank training cohorts ● **94.4%** NPS

# iGTBOxford School of Transaction Banking Research & Learning Programs



**ANDREW ENGLAND**  
Director & Head of Strategy, iGTB

### Time Out for Treasurers

Where have all the time and money gone? It's not just the money that's disappeared, but the time too. As the iGTB Oxford School of Transaction Banking starts its first year, we're looking at a series of questions that treasurers should be asking themselves. It's not just about getting the best value for money, but also about getting the best value for time. We're looking at the challenges of building a business that's focused on the customer and the value of the transaction. It's about finding the right balance between the two. It's about finding the right balance between the two.

### Simplicity

Chasing two rabbits

www.igtb.com

Transaction Banking

### 800 pound gorilla or newborn chimp?

### Artificial Intelligence

Will this technology finally tie the regulators in knots?

www.igtb.com

### Cashing in on Trade

Post Covid - 19

What a world to look forward to!

www.igtb.com

# Our leadership team Guides the World Class Team of 1800+



**Manish Maakan**  
CEO, iGTB



**Andrew England**  
Director, Head of Strategy  
Growth Advisory Council, iGTB



**Dave Revell**  
Growth Advisory Council  
iGTB



**Ted Malloch**  
Growth Advisory Council  
iGTB



**Uppili Srinivasan**  
Business Head  
Digital, Payments & Liquidity



**Atanu Ganguli**  
Business Head  
DTB, Trade, Supply Chain

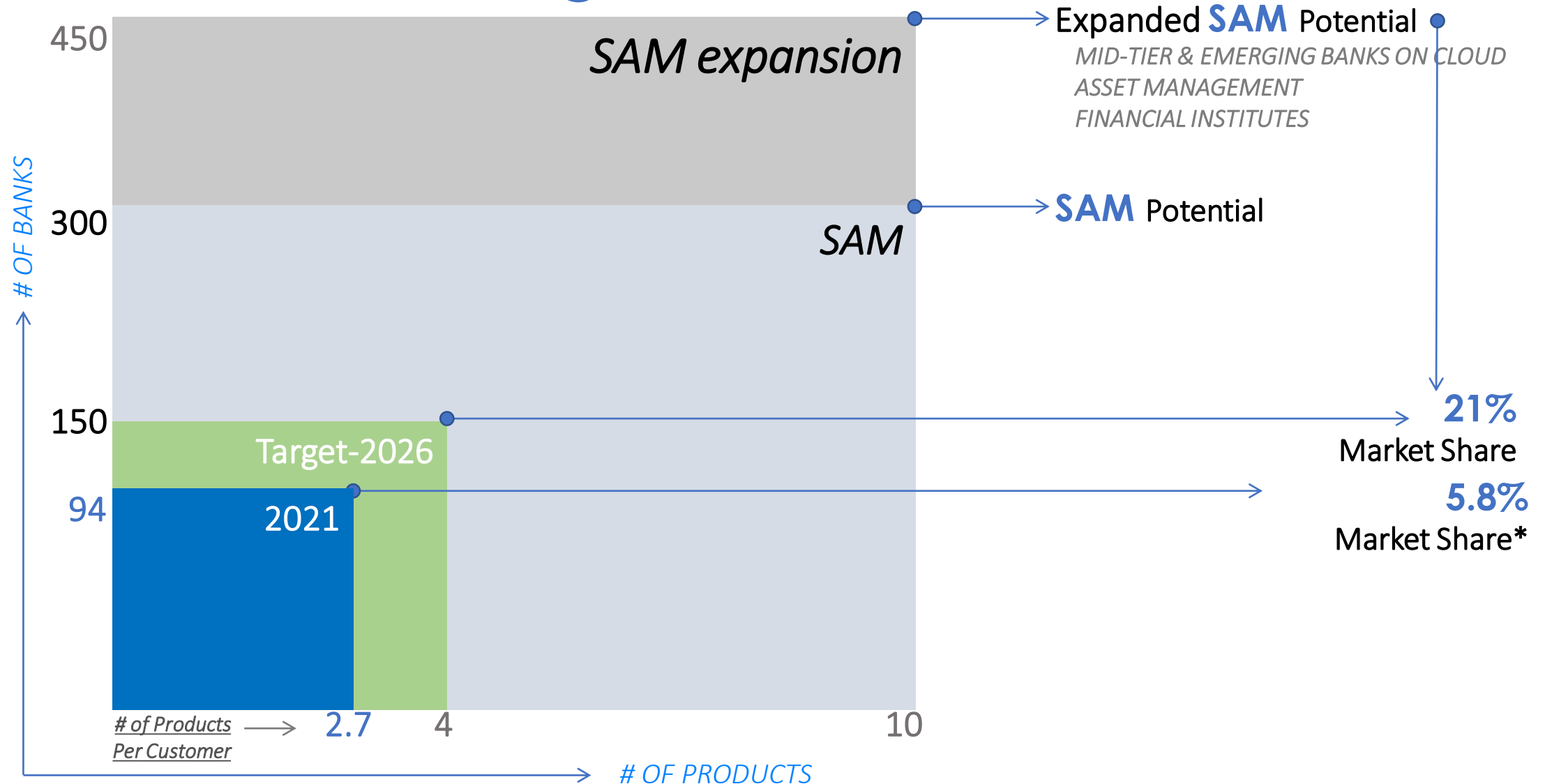


**Phil Cantor**  
CMO, iGTB



**Rajesh Makhija**  
CTO, iGTB

# Accelerating Growth & Expanding our Market Coverage



# Our Evolving & Expanding Technology Partner Program



Strategy,  
Products &  
Organisation:  
Ready  
to Deliver  
Growth over  
Next 5 Years

# Our Moat & Unfair Advantage

## Top 7 Reasons we WIN

- 1. Customer as Promoters*
- 2. Market Leading Products & Global Footprint*
- 3. Market Ready Cloud Technology Platforms*
- 4. Execution Track-record*
- 5. Analyst consistently rate as Market Leader #1*
- 6. Experienced & Stable Leadership Team*
- 7. Only Brand that Focuses on GTB*



Look forward to Continued Support & Trust from all of You

# iGTB<sup>®</sup>

Contextual Banking by Design



Digital Transaction Banking



Contextual Banking Experience



Payments Services Hub



Liquidity Management Solution



Trade Finance &  
Supply Chain Finance

 [www.igtb.com](http://www.igtb.com)  [iGTB](https://www.linkedin.com/company/igtb)  [@i\\_igtb](https://twitter.com/i_igtb)  [/igtbpage](https://www.facebook.com/igtbpage)  [igtb@intellectdesign.com](mailto:igtb@intellectdesign.com)

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# Intellect Technology Day 2021

**The  
Contextual  
Composable  
Cloud Technology  
Conversations**

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March 17, 2021

**Rajesh Makhija**  
CTO, iGTB



# Agenda

**01**      **CBX - Digital Acceleration Platform**

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**02**      **iTurmeric - Cloud Acceleration Platform**

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**03**      **iFinCloud – Intellect FS Cloud**



# **01 CBX – Digital Acceleration Platform**

# Digital Platform – Pain Points & Challenges



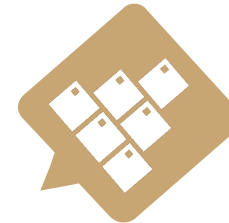
## Hyperscale Technology

How can I **seamlessly** and **cost effectively** handle the increasing **volumes** and **performance** of my digital platform.



## Connected Experience

Can I have **converged** channel platform across **brands**, across **customer segments**, across **businesses** and across **products**.



## Extensibility

How can I progressively keep adding **new products** and **capabilities** without any disruption to my current ecosystem.



# Digital Platform – Desires & Aspirations



## Service Amplifiers

How can I facilitate **contextual**, **personal** and **value added** interactions through my channel platform.

## Own UI / UX

How can I design and compose my **own UI/UX** to drive customer **desire** and keep refreshing it to keep pace with **modern UX trends**.



## Collaboration

How do I collaborate with **Partners** and **FinTechs** to provide **innovative** experiences to the customers.

# CBX Digital Acceleration Platform – L0 View



Corporate Customers



Open Banking



Partners / Fintechs



Ecosystems



UX (Mobile, Tablet, Web)



Open APIs



Channel APIs

Domain Packs



Account Services



Corporate Payments



Collections Receivables



Virtual Accounts



Corporate Liquidity



Cash Flow Forecasting



Trade Finance



Supply Chain Finance

**CBX**<sup>TM</sup>



CBOS – Corporate Banking Operating System



**intellect**<sup>TM</sup>  
Design for Digital

iTurmeric Integration Platform

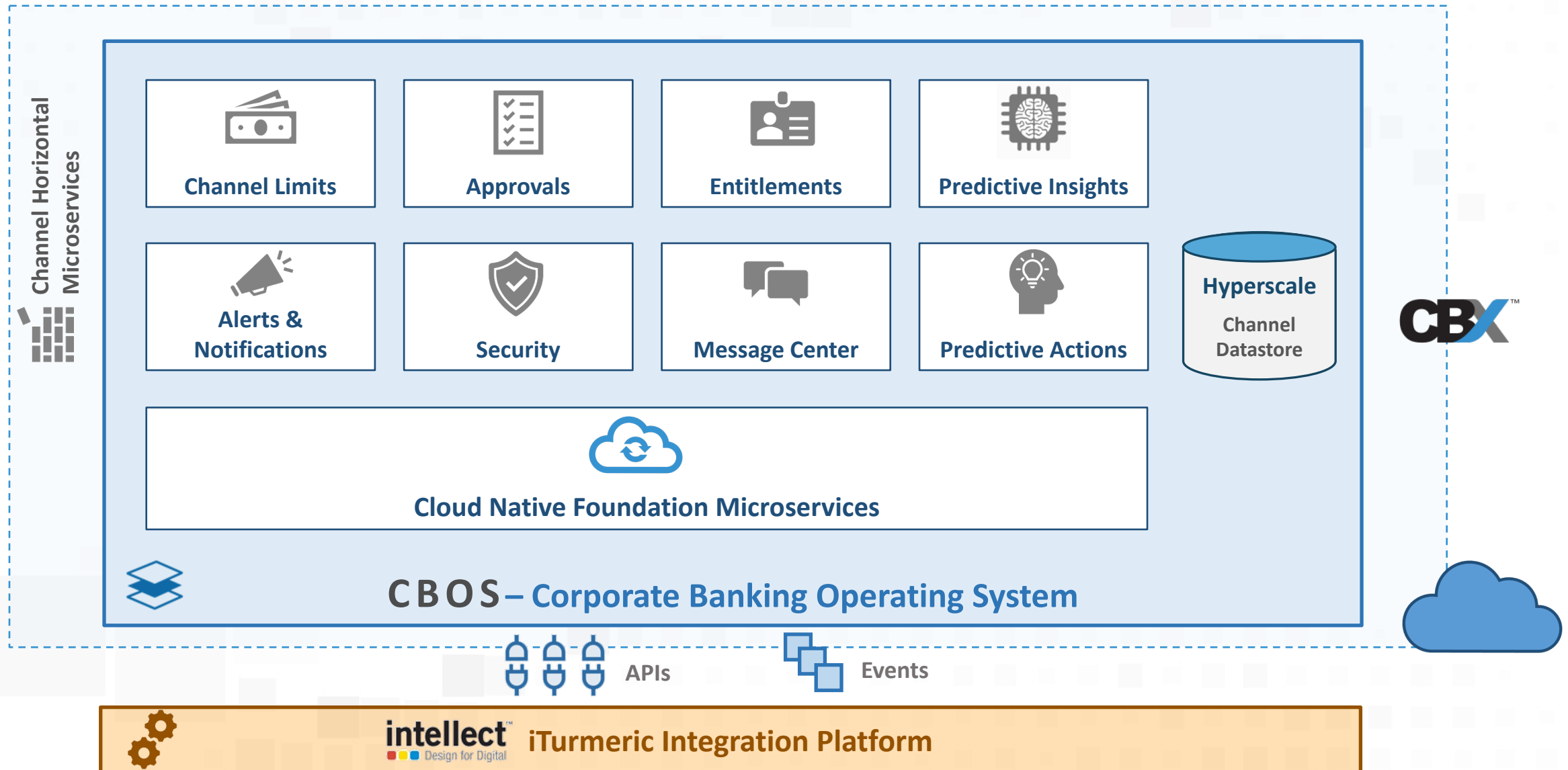
**intellect**<sup>TM</sup>  
Design for Digital

Product Processors



Bank's Product Processors

# CBX Digital Acceleration Platform – L1 View



# CBX Digital Acceleration Platform - Key Benefits



## Superior Customer Experience

---



- Modern UX and contextual capabilities.
- Extend, enhance or build your own UI to keep with market trends.

## Rapid Time to Market

---



- OOTB services that are easily extensible.
- Converged platform enabling reuse.

## Innovation

---



- Enable partners to build niche and innovate apps.
- Composable and Open APIs increase distribution.





# **02 iTurmeric – Cloud Acceleration Platform**

# Cloud Acceleration Platform – Pain Points & Challenges



## Skill Sets

How can I reduce the **extensive** build / test efforts for integrations that currently need **proprietary** skills to build and manage.



## Legacy Modernization

How can I **abstract** the complexity of my **legacy** systems of record and expose **data** and **services** as standardized and simple APIs



## High Costs

How can I reduce the **cost** of of the integrations across my **on-premise** and **cloud** applications.



# Cloud Acceleration Platform – Desires & Aspirations



## Agility

How do I increase my **integration agility** both for **on-premise** and **cloud** applications.

## Open APIs

How can I **design, document** and **publish** APIs as **digital assets** aligned to the business capabilities being offered.



## Marketplace

How can I build a **market place** from which **innovative** apps can be built using the **API ecosystem**.

# iTurmeric Platform – L0 View



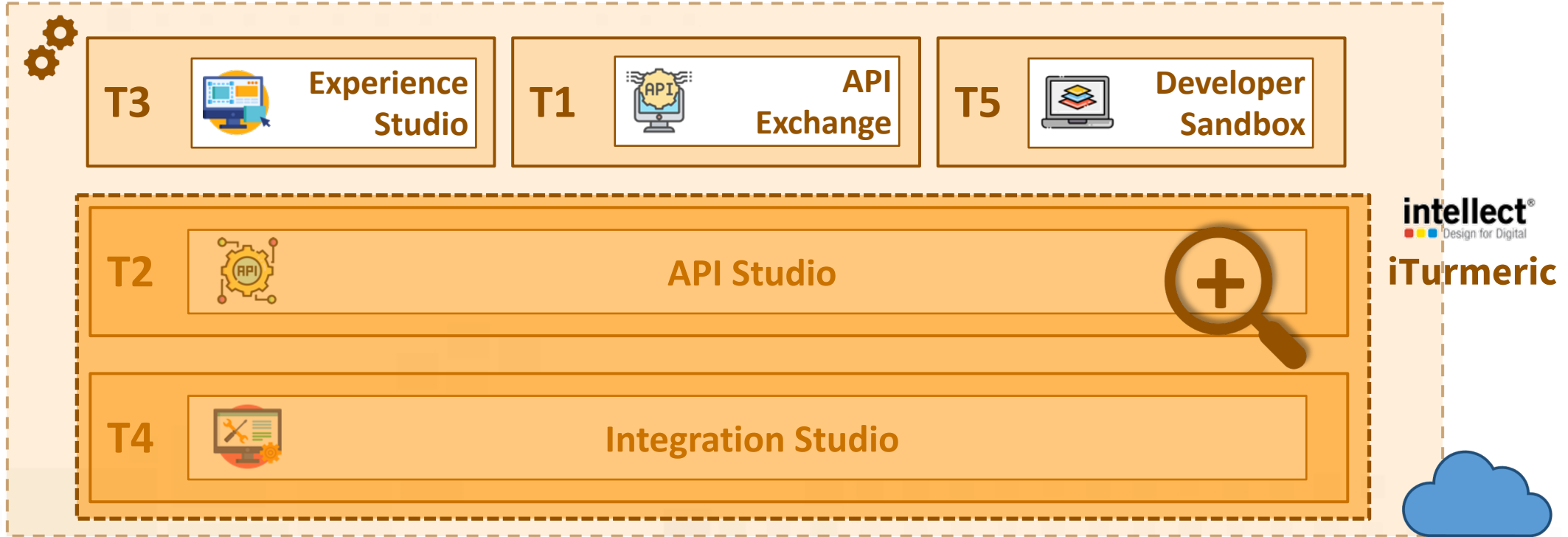
  
Omnichannel UX

  
Open Banking

  
Partners / Fintechs

  
Ecosystems

  
Developers



**intellect**  
Design for Digital **Product Processors**

 **Bank's Product Processors**

# iTurmeric Platform – L1 View



## T2 – API Studio



API Design



API Documentation



API Catalogue

## T4 – Integration Studio



Message Templates



Transformations



Flow Orchestration



Security



Runtime Debugging



Monitoring

intellect®  
Design for Digital

iTurmeric



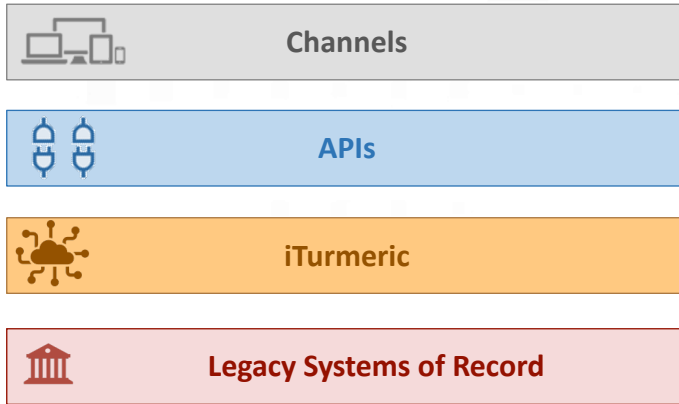
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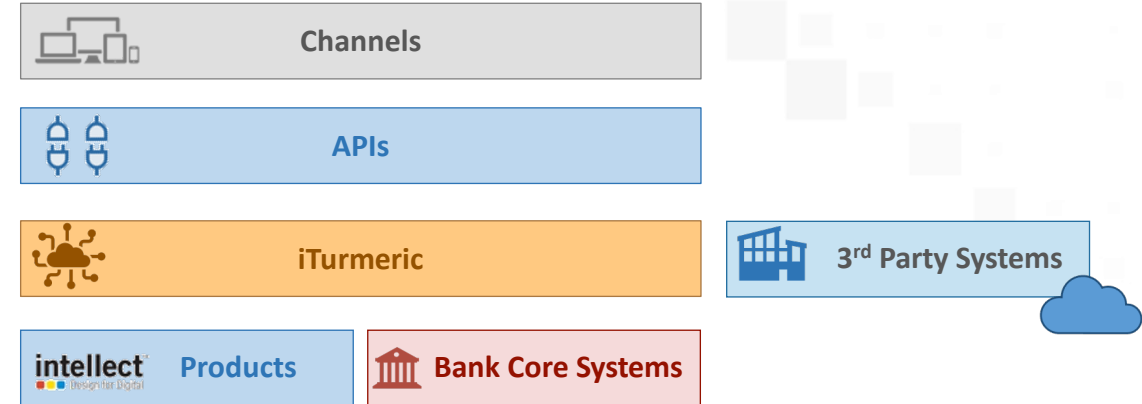
# iTurmeric Platform – Positioning Scenarios



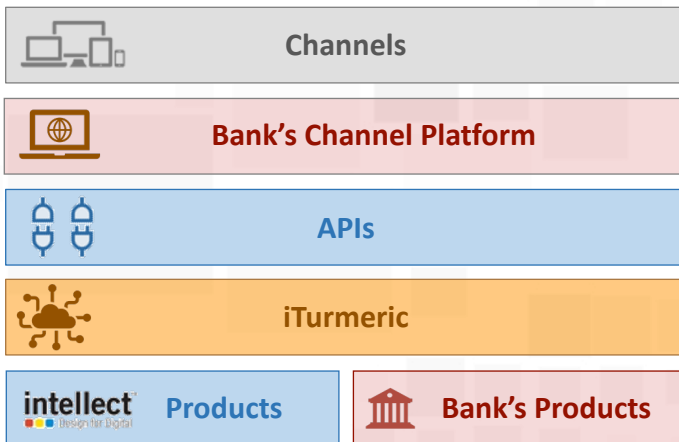
## PS1 – Legacy System Modernization



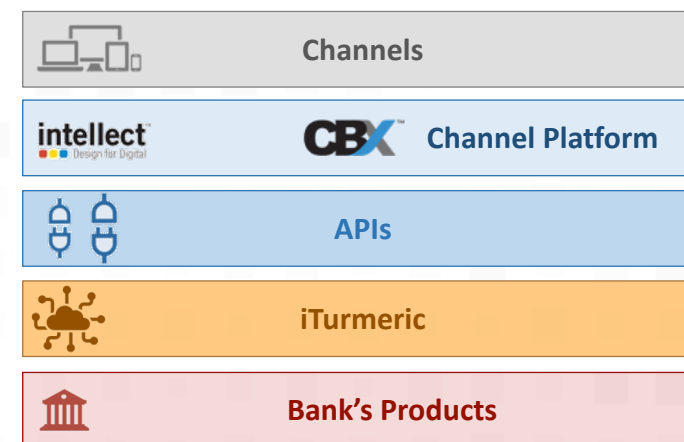
## PS2 – Enterprise Integration



## PS3 – Bank's Own Channel Platform



## PS4 – Standalone Intellect CBX Channel



# iTurmeric Platform - Key Benefits



## Future Proof

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- Light weight, extensible and low coding platform.
- Cloud native architecture with elastic scalability.

## Accelerated Transformations

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- Standardization and reuse resulting in faster time to value.
- Drastic reduction in build and test integration efforts.

## Marketplace Enabler

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- Enable banks to collaborate & build marketplace, resulting in larger distribution



# **03 iFinCloud – Intellect Financial Services Cloud**



# Why iFinCloud – Goals



## Multi-Cloud

Public **cloud provider agnostic** for provisioning, deployment and maintenance.



## Standardization

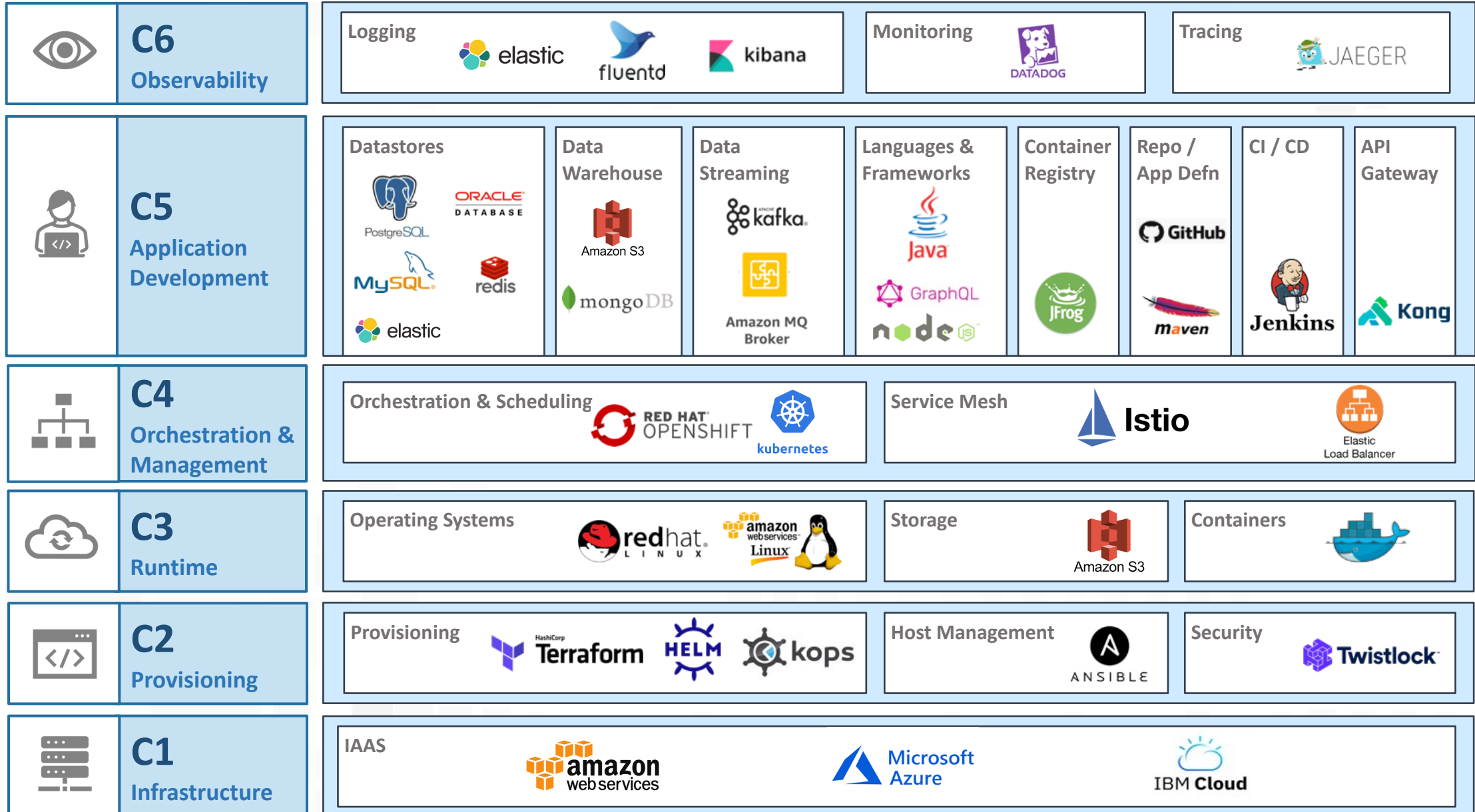
Standardized **tools, technologies, processes** and **guidelines** for cloud operations.



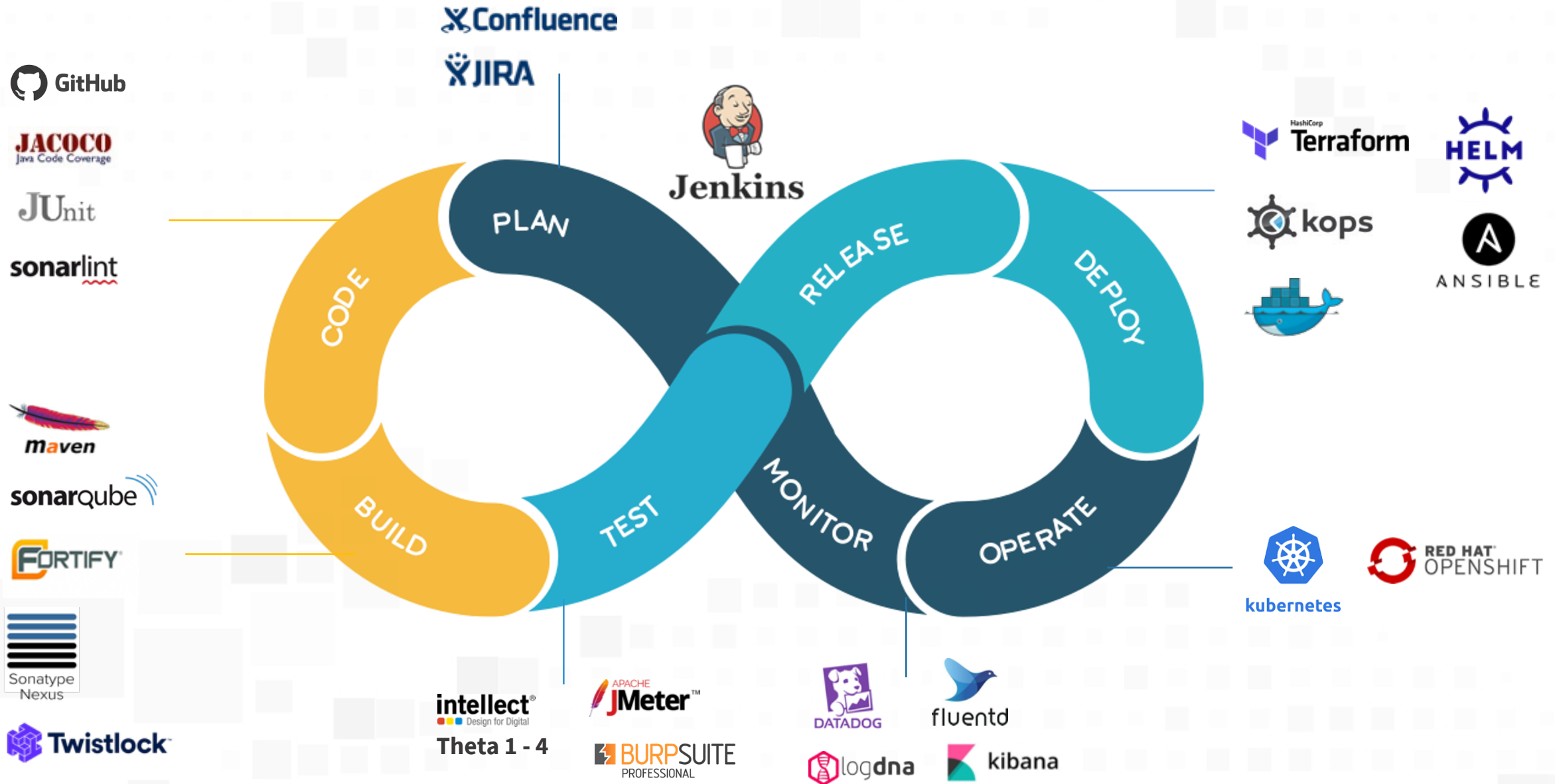
## Automation

**Deployment** flexibility and **cloud automation** by adopting best practices and learnings across the organization.

# iFinCloud Platform – Reference Architecture



# iFinCloud DevSecOps – Accelerate Automation



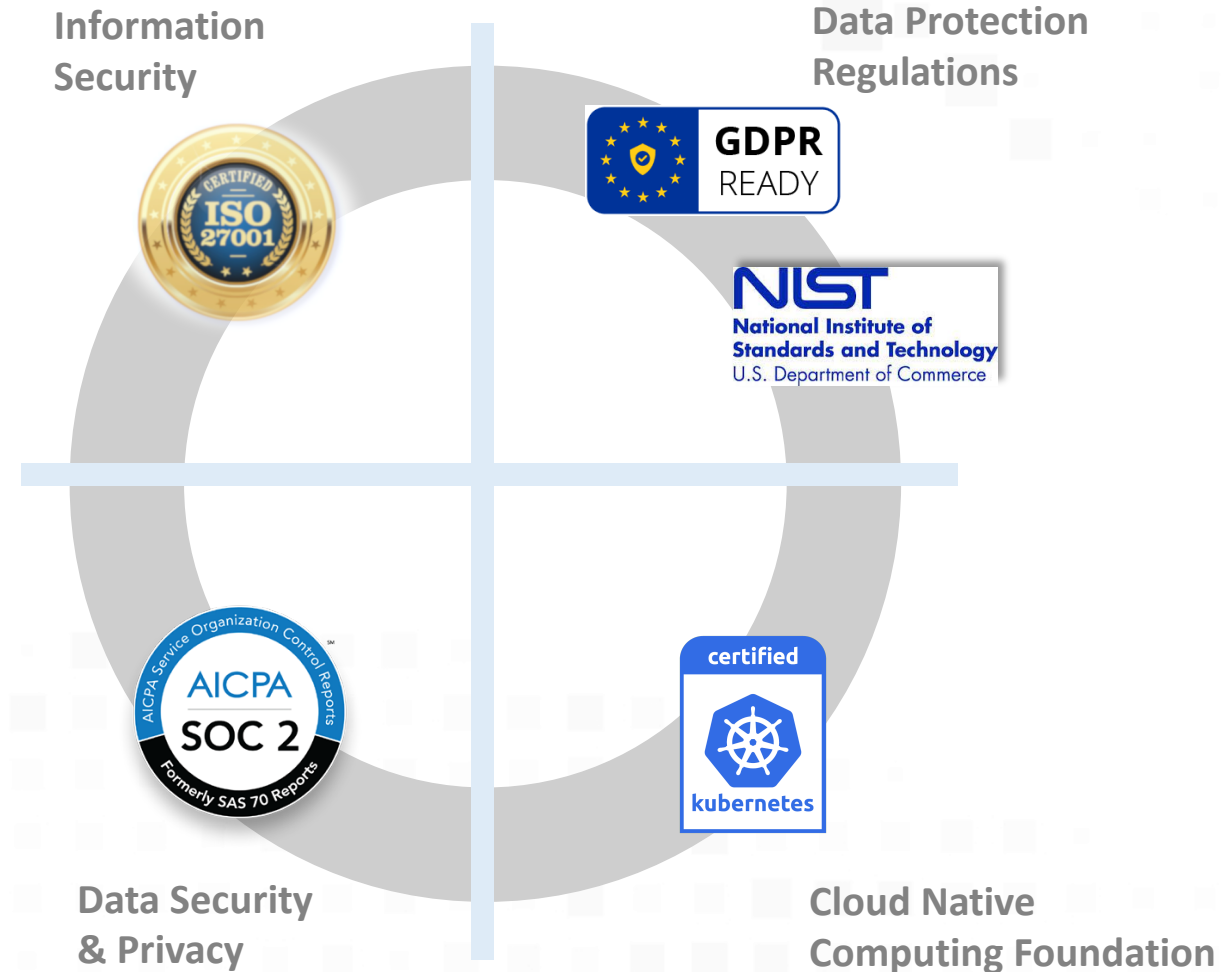
# iFinCloud – Highest Standards of Security



## Application Security



## Regulations & Compliance



# iFinCloud - Key Benefits



## Extreme Agility



- Reuse of assets and cloud best practices within Intellect for the cloud operating model.
- Faster time to market for new product capabilities.

## Security & Compliance



- Best practices in security across application, build and infra layers.
- Adherence to various cloud regulated compliances.

## Reduced Costs



- Due to economies of scale within Intellect.
- Process efficiencies due to high levels of automation.



Contextual Banking By Design



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