

We are

 **MILLENNIUM**  
information solution fz-llc.





**20 years in ICT industry focusing on  
Islamic Finance, HRMS and Audit**



# Ababil NG

## Islamic Core Banking Solution

By Millennium Information Solution





## UNIQUE STRENGTH

The main engine of Ababil is ground up designed as an Islamic Shariah compliant solution and not a by-product of conventional banking application.



## ONE STOP SOLUTION FOR ISLAMIC FINANCE

Ababil Suite offers comprehensive Banking solution such as Islamic CBS, Trade Finance, Treasury, Payments Gateway, SWIFT Middleware, Internet Banking, Mobile Application, Agent Banking to name a few.

# The Journey So Far...

**1996**  
First Implementation of  
Banking Software

**2007**  
Web based CBS

**2013**  
- Internet & Mobile Banking  
- SWIFT Middleware

**2019**  
Ababil NG

**2021**  
Financing Risk  
Management

**2010**  
Trade Finance

**2020**  
Digital On boarding

**2015**  
Agent Banking

**2012**  
Microfinance

**2011**  
Offshore Banking

**2008**  
Treasury Management

**2005**  
Core Banking  
Solution (CBS)



# CLIENTS of ABABIL



3600 + Branches of 15 Banks and 2 NBFIs

Banks (Islamic Core Banking Solution)	✓ 820+ Branches	  	  	  	 
NBFIs (Islamic CBS)	✓ All Branches	 Save for Hajj. হজ্জের জন্য সঞ্চয়	 Your Partner in Business Islamic Finance and Investment Limited	 Hajj finance company kazakhstan limited	(In Progress)
Agent Banking	✓ 740+ Outlets				
Microfinance	✓ 150+ Branches				

# CLIENTS of ABABIL



3600 + Branches of 15 Banks and 2 NBFIs

Off shore Banking						
Treasury						
Internet Banking & Mobile Application						
Swift Middleware						
ACPS & EFT						
RTGS						

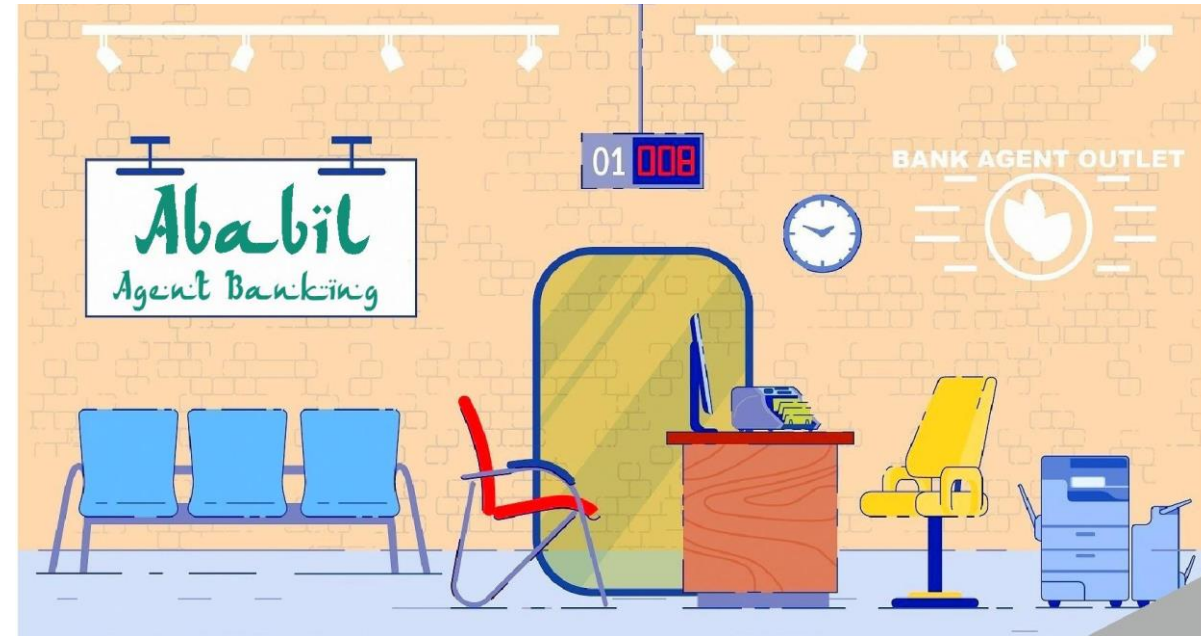


# Setting Trends...

Implemented  
**Agent Banking Solution**

**370+** Outlets

Of **TWO** of the **Biggest Islamic Banks**  
Within **ONE** Year



**1000+** Outlets goal for next year

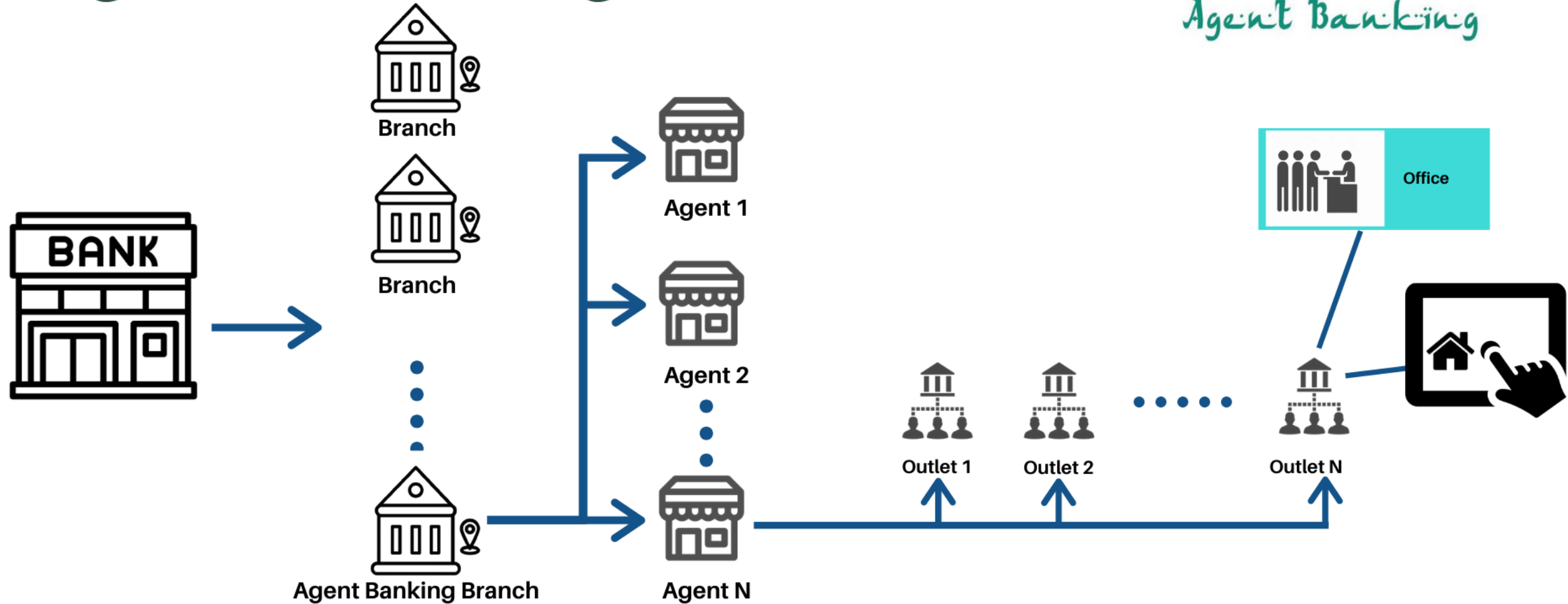


**ISLAMIC AGENT  
BANKING**

To promote Islamic Shariah compliance and tap into the unbanked population at the remote areas, Ababil Agent Banking Solution is the perfect tool.

# Agent Banking Model

**Ababil**  
Agent Banking



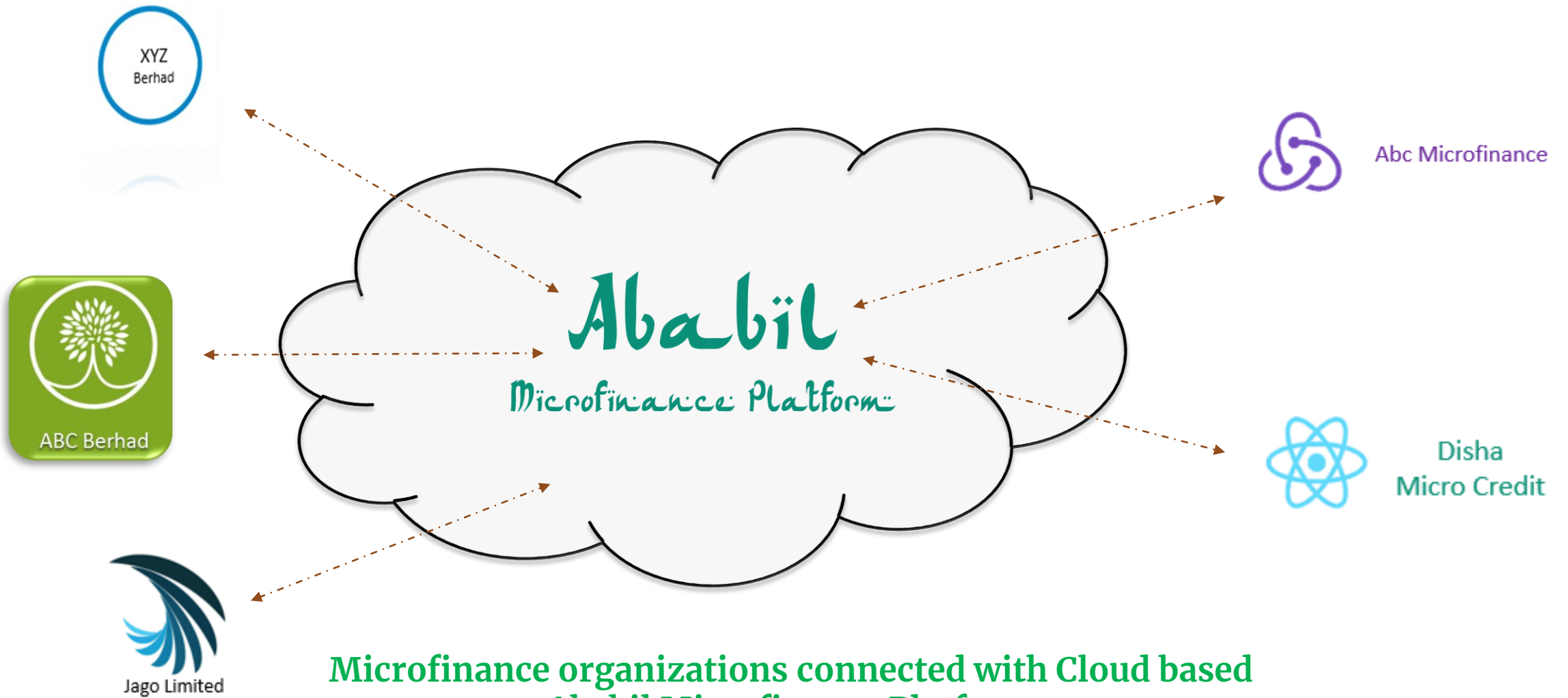
Enabling Shariah Compliant Banking to the Last Mile

# Benefits

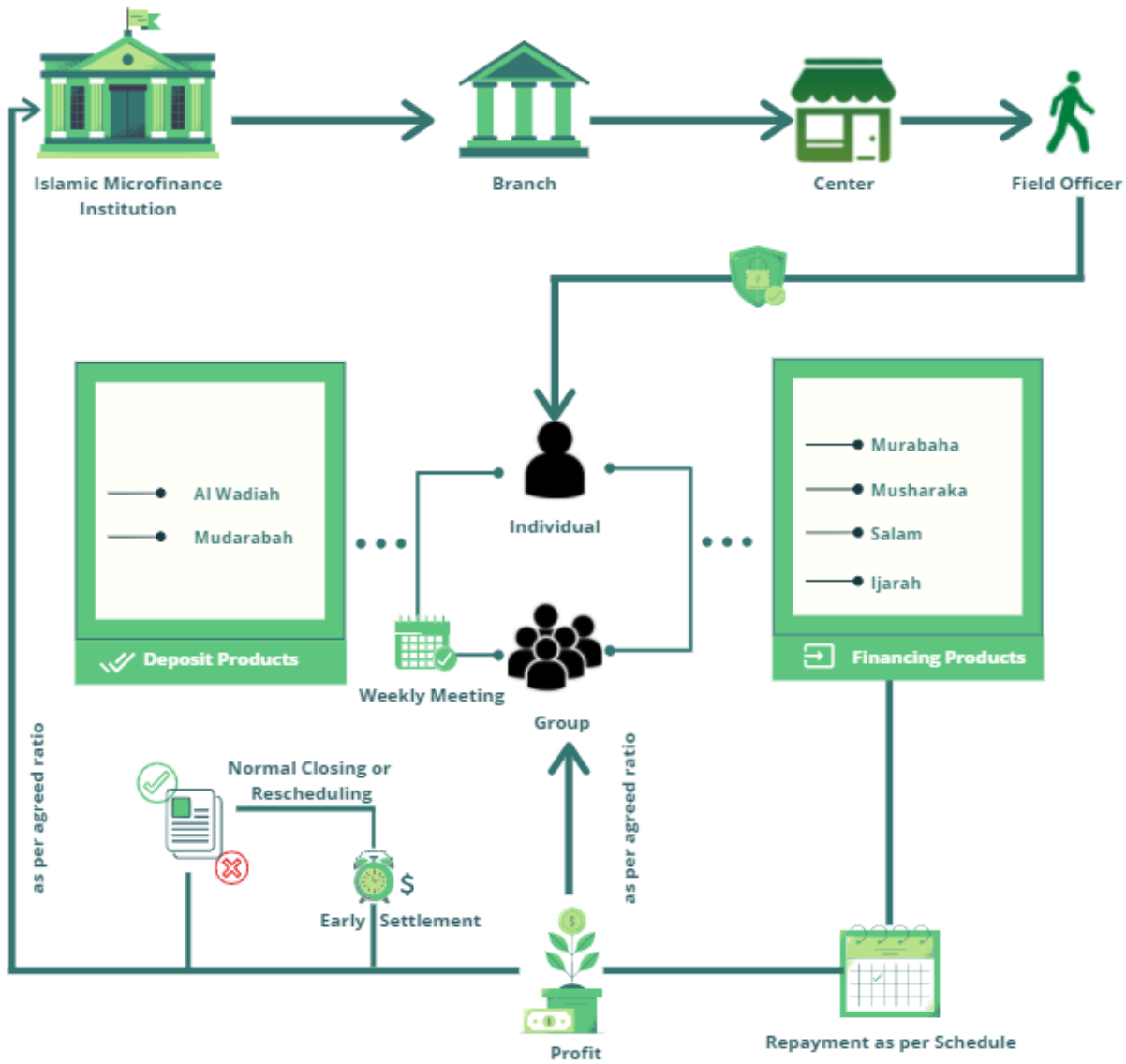
**Ababil**  
Agent Banking

- Reduced Operational Cost
- Offering Ease
- New Revenue Stream
- Extent Financial Inclusion





**Microfinance organizations connected with Cloud based Ababil Microfinance Platform**

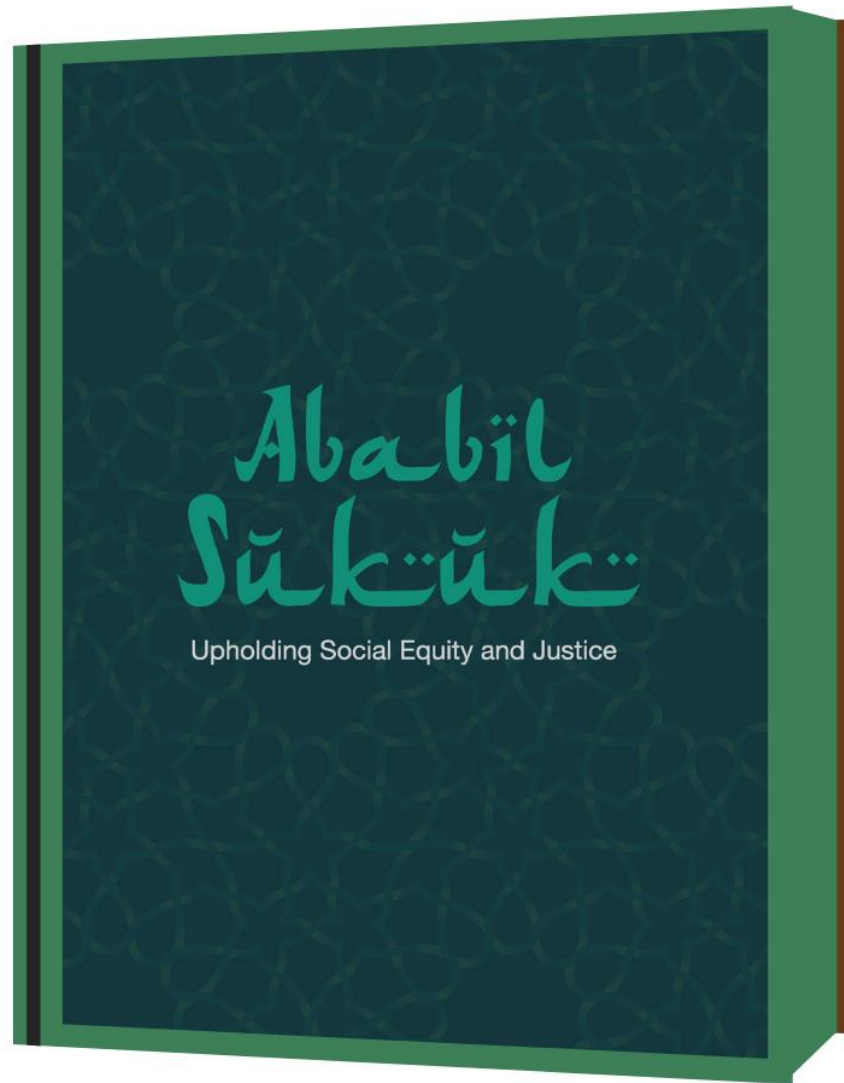


Ababil Microfinance Workflow



Nobel Laureate Dr. Muhammad Yunus *Father of Microfinance*

**Ababil**  
Microfinance Platform



# Features

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01

Full operation of Institution as issuer of the sukuk

02

Institution's Portfolio management as an investor of a sukuk

03

Operations of Banks or other Financial Institutions as separate legal entities (SPV)

04

Profit Accrual, Distribution and Portfolio Management

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## Top 10 Islamic CBS Globally

	Market Tier (Branches)	Time to Market (Months)	Market Penetration (Countries)	Market Share (Installations)	Market Continuity (Signed contracts)
AutoSoft Dynamics	High	Very Short	Low	Low	Low
BML Istisharat	Low	Moderate	Moderate	Moderate	Moderate
EdgeVerve Systems	High	Moderate	High	High	High
Enterprise	Very High	Short	Low	Low	Low
ICS Financial Systems	Low	Short	Moderate	Moderate	High
Infopro	Very High	Short	Low	Moderate	Low
InfrasoftTech	Low	Very Short	Low	Low	Low
International Turnkey Systems	Low	Moderate	High	Very High	Very High
Intertech	Very High	Moderate	Low	Low	Moderate
Leads	Moderate	Long	Low	Moderate	Moderate
Millennium Information Solution	High	Short	Low	Moderate	Moderate
Misys	Moderate	Short	High	High	Very High
Oracle	Moderate	Short	Very High	Very High	Very High
Path Solutions	Low	Short	Very High	Very High	Very High
SAB	Very High	Moderate	Low	Low	Moderate
Silverlake Axis	High	Moderate	Moderate	High	High
Sopra Banking Software	Low	Very Short	Moderate	Moderate	Moderate
Tata Consultancy Services	Very High	Moderate	Moderate	Moderate	Moderate
Temenos Group	Very High	Moderate	Very High	Very High	Very High

All data consists of averages — darker colors reflect stronger performances.  
Source: Gartner (July 2016)



**INTERNATIONAL  
ACCLAMATION**

Recognized by Gartner as one of the world's top 10 Islamic CBS since 2011.



**Ababil** is certified by **ISRA Consulting**, Malaysia in 2020 not only for meeting AAOIFI standards but also the Shariah Standards of IIFA (by OIC), MWL, IFSB and BNM standards.



**GLOBAL SHARIAH  
COMPLIANCE**

Ababil is truly geared towards addressing region-specific Islamic banking requirements.





**INTERNATIONAL  
ACCLAMATION**

Millennium appear as an emerging Leader in SLT 2020 by virtue of our performance in the Global Islamic Banking Systems category.



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 **THE INNOVATORS**  
**2016** GLOBAL FINANCE



**Winner:**  
**The Innovators 2016**

**IFFSA** Awards  
ISLAMIC FINANCE FORUM OF SOUTH ASIA



**Gold 2021**  
**Gold 2020**  
**Gold 2018**  
**Silver 2017**



**INTERNATIONAL  
ACCLAMATION**

We won IFFSA Gold in 2018, Silver in 2017, Global Finance Magazines - The Innovators award in 2016.



ISRA CONSULTING



Center for Islamic Banking and Economics



الجامعة الإسلامية العالمية ماليزيا  
INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA  
وَنَشْرُوقِي الْإِسْلَامِيَّةَ أُنْبَارًا يَحْسَبًا بِلَدِّيْنَا



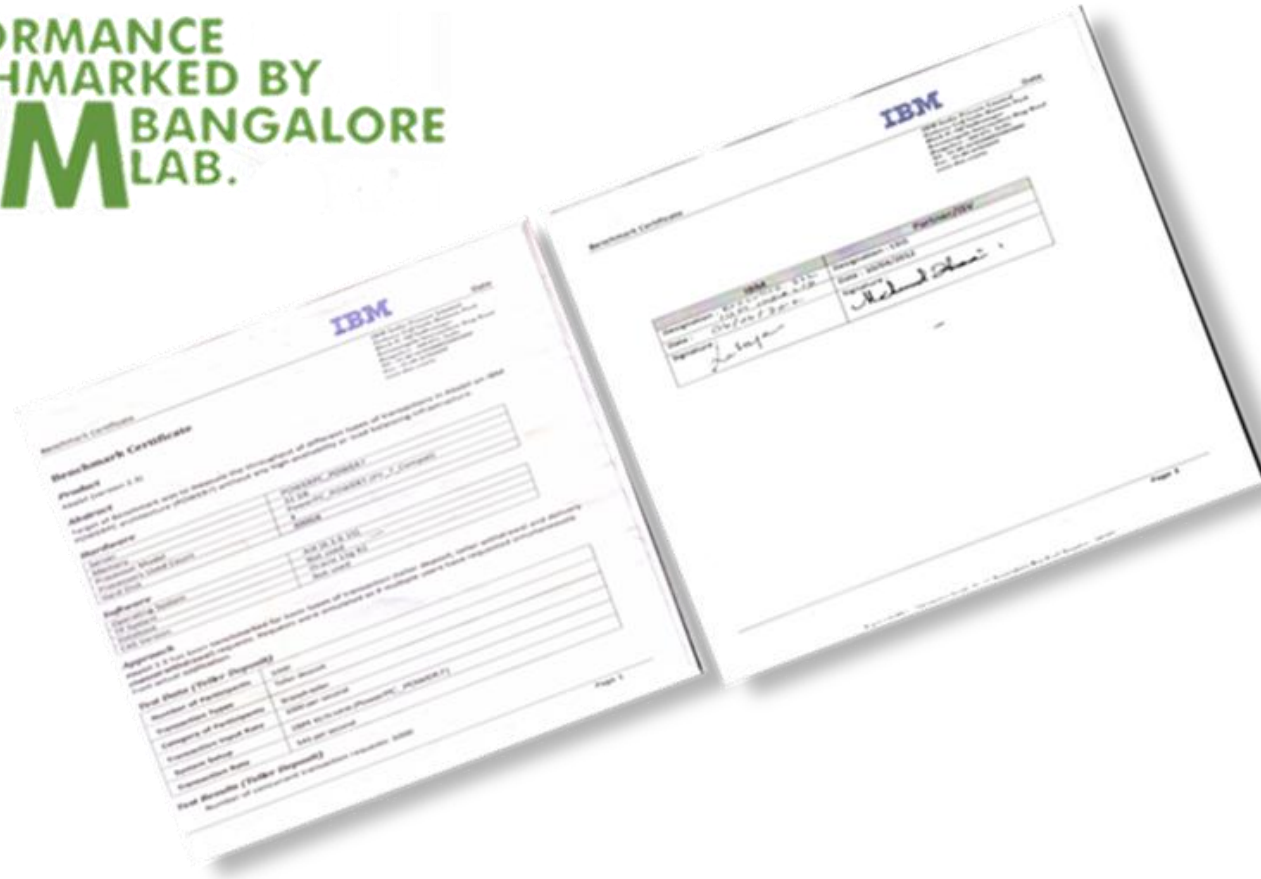
SALIHIN SHARIAH ADVISORY SOHN BHD



**CONTINUOUS DEVELOPMENT**

Ababil in its latest iteration is a product of two decades of continuous improvement through its knowledge partners from Knowledge Partners from IIUM, MY, ISRA Consulting, MY, Salihin Shariah Advisory, MY. Global Shariah Scholars, International Forums, Central Banks and Shariah Boards

PERFORMANCE  
BENCHMARKED BY  
**IBM** BANGALORE  
LAB.



**IBM**  
**BENCHMARKING**

The system is tested for excellent performance as proven by the load bearing benchmark by IBM



September 11, 2019

**To Whom It May Concern**

This is to ascertain that **Ababil Internet Banking Mobile (Android & iOS) application**, developed by Millennium Information Solution Limited has been through an extensive, **scope-defined, point-in-time**, penetration test, between **23-07-2019 and 13-08-2019**, in order to assess its risk posture and identify security issues in accordance with OWASP Top 10 testing guidelines and methodology.

We identified several "Medium" criticality vulnerabilities, which have been resolved. No "High" or "Critical" vulnerabilities, that may prove to a critical threat, were discovered.

The assessment also included a review of security controls and requirements listed in the OWASP Application Security Verification Standard (ASVS)

Beetles Cyber Security Ltd relinquishes all liabilities to the application for the parts and modules that were out-of-scope for the testing engagement or for any changes or modifications made to the application before or after the dates of testing.

Thank you  
Beetles Cyber Security Ltd.  
*Monzur H Chowdhury*  
Chief Operating Officer  
Monzur H. Chowdhury

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security@beetles.com.bd | 88 Moulgabai CA 13 - Ft |  
www.beetles.com.bd | Dhaka-1000, Bangladesh

# PENETRATION TESTED BY BEETLES



## MULTILEVEL SECURITY

The Ababil Suite Features Multilevel Security.

Our Internet Banking solution and Mobile Application for Banking is Penetration tested by Beetles Cyber Security Ltd.



Cloud Ready



Standard APIs



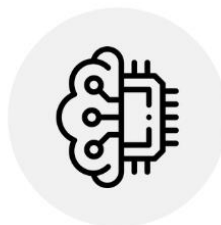
Scalability  
High Availability



UX based  
Modern UI



Own process  
A suit of services



Artificial  
Intelligence



High Security



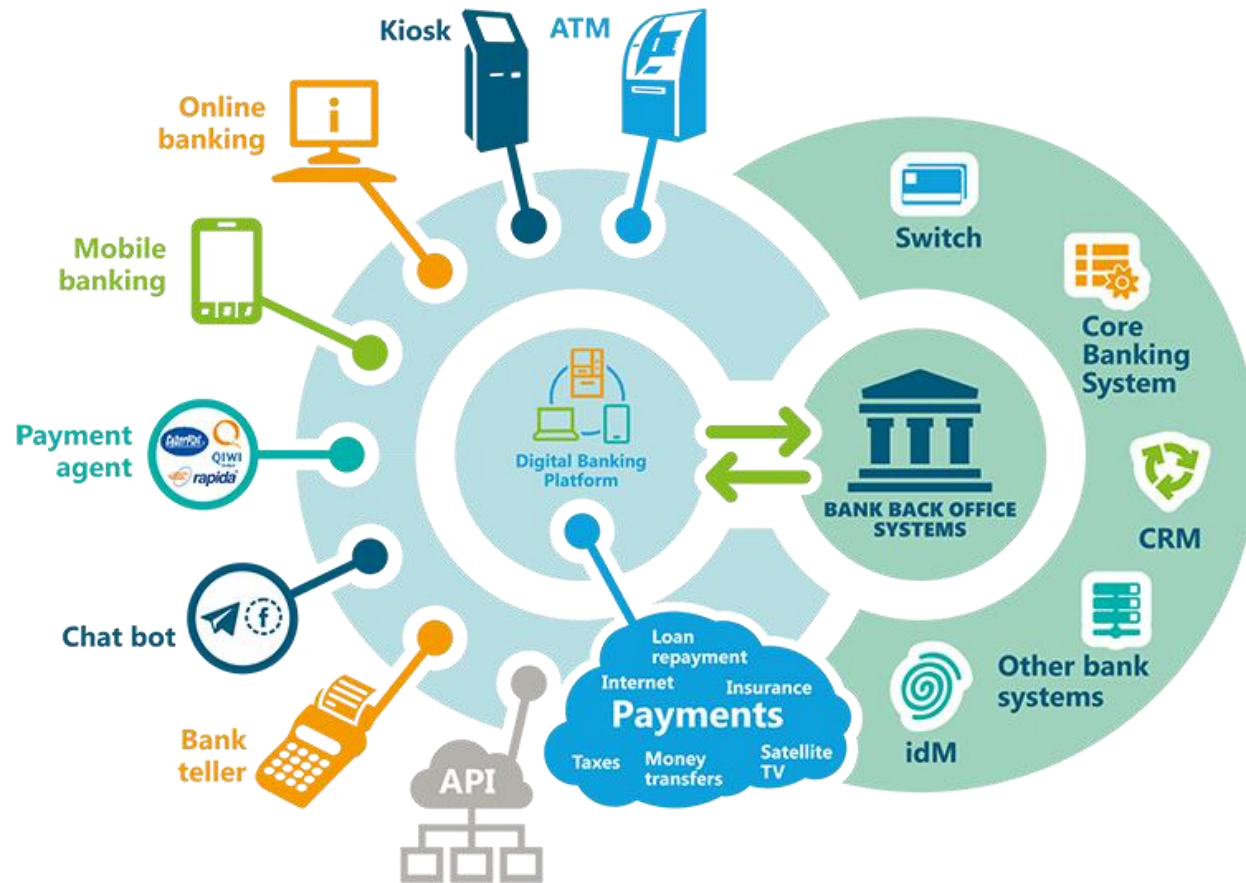
Multi level  
Authorization



**MICRO SERVICES  
ARCHITECTURE**

A product for future proof not a another legacy system





“Your Bank will be Digitally Ready”



**SERVES AS VIRTUAL BANKING PLATFORM**

Ababil NG can also operate as a virtual bank with absolutely no physical presence.

# Digital Customer On-Boarding Platform



Do you have  
a National ID?



We will take care of the rest;  
Digital Account opening without  
a branch visit !!



Take a picture of  
your NID

Confirm the  
Extracted Data

Take a Selfie

Add your Signature

*Account opening with minimum number of click.*

# DIGITAL BANKING PLATFORM



# Customer Experience and Digital Engagement



Digital Onboarding Platform

Mobile Banking Apps

Internet Banking



Authentication

Risk-Based Credit Decision

Risk-Based Pricing

Account Origination

Personalization Automation



Deposit

Trade Fin.

Customer File

Profit Distr.

Financing

Treasury

Report Engine

Audit Log

Core Banking Engine

## API Connector

Agent Management

Delivery Channel

FinTech

Data Analytics

3rd party Entity



■ Offerings of **Abaabil**<sup>ng</sup>  
next generation  
Upholding Social Equity and Justice



- Latest technologies

- Serves as virtual banking platform

- Up-to-date features of Islamic Banking Industry

- Internationally acclaimed & Shariah Certified

# OVERVIEW: TAHQIQ

Tahqiq

A Risk Based Internal Audit System

TAHQIQ  
RISK BASED  
INTERNAL AUDIT  
SYSTEM

---

Tāhqiḡ

A Risk Based Internal Audit System

A Flagship product  
by

 **MILLENNIUM**  
information solution fz-llc.

# Easing your Internal Audit & Compliance



## Our Hypothesis

Minimize the Audit Department expenses to approximately 50% using

# Tāhqiḡ

A Risk based internal Audit System

**Already up and running at...**



**Al Arafah Islami Bank Limited**



**Southeast Bank Limited**



# Tāhqiḡ

A Risk Based Internal Audit System

BEST IT INTEGRATION

& INNOVATIVE PRODUCT

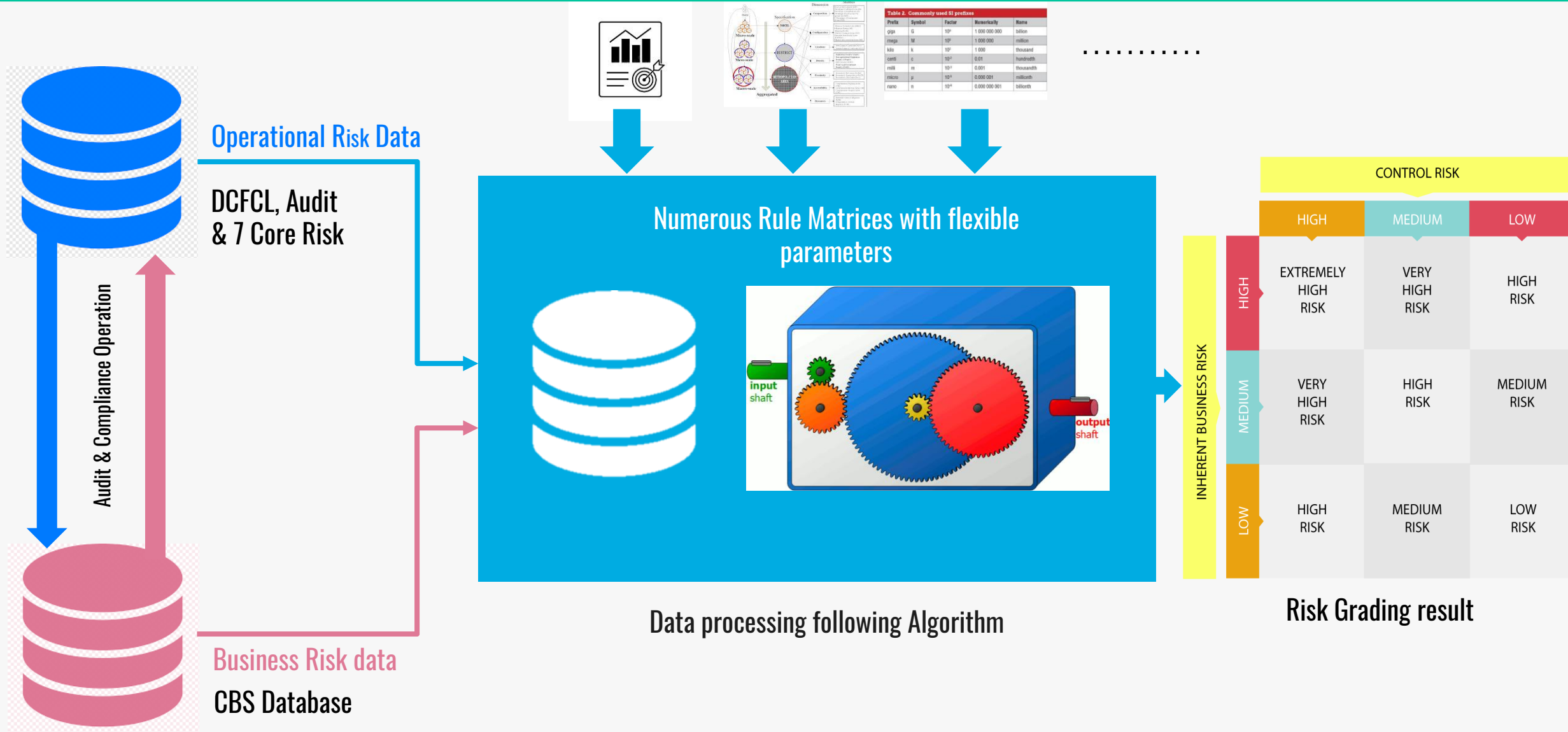
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AFRICAN INTEREST FREE BANKING

AND TAKAFUL AWARDS 2020



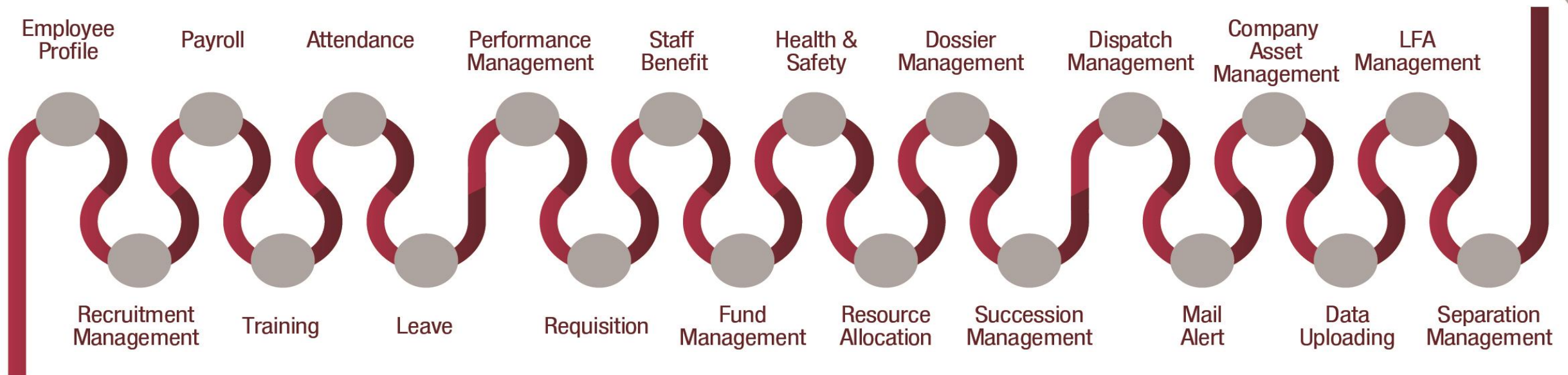
# Automation Process for Risk Grading



# OVERVIEW: SYLVIA

Web based Human Resource Management





## List of Modules



## Setting Trends

Implemented in

**Banks, NGOs, Manufacturing and Private organizations**

Used by more than **25,000** USERS

Planned **200,000** users in 2020

# Few of our Major Clients



OUR STORY BEGINS

@ DUBAI  
INTERNET  
CITY

