

KRIDENTIA TECH COMPANY PROFILE

at a glance...

PRESENT



Since 1995



Since 1997



Since 2006



✂ 18 Service Centres Nationwide for SLA including NOC

IMMEDIATE



- Enterprise Systems with Integrated Identity Management solutions
- Mobile Apps, Payment Solutions
- Own designed biometric products
- eKYC for FSI, Telco, Government, Travel, Agriculture and Services



FUTURE FORWARD



Enterprise Systems Solutions

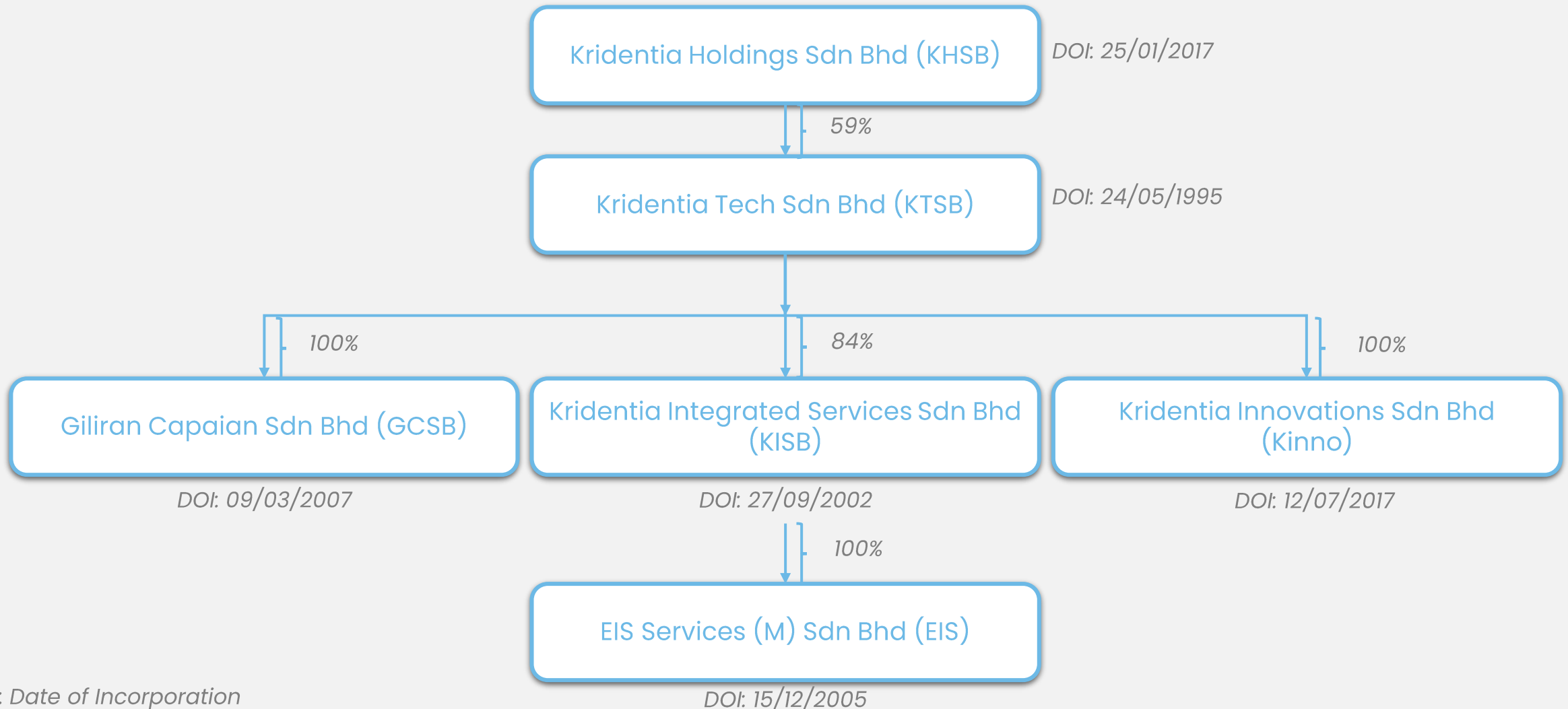


Biometric Access Control Solutions

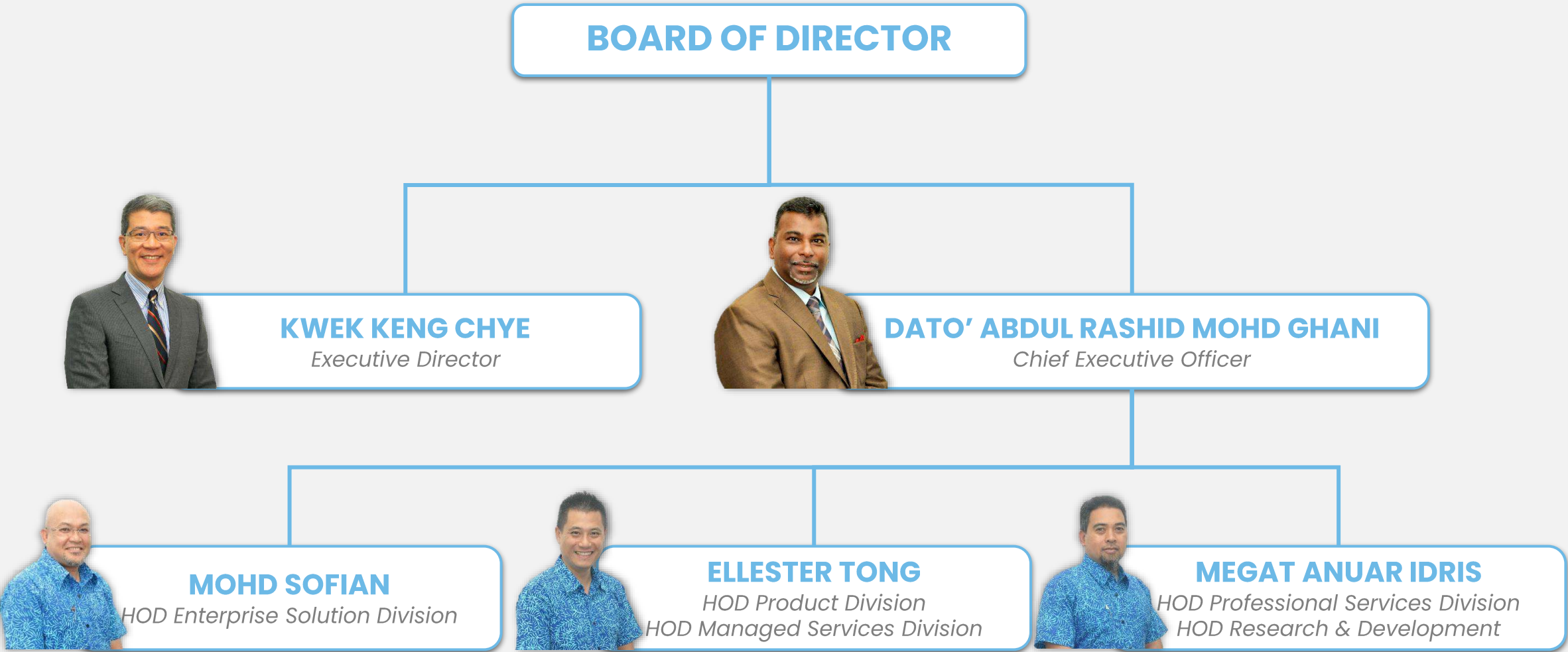


New Generation Identity Solutions

STRUCTURE OF KRIDENTIA GROUP



KRIDENTIA ORGANIZATION CHART



INTRODUCTION

- **KRIDENTIA TECH (K-TECH)**
- Kridentia Serve (K-Serve)
- Kridentia Innovation (K-Inno)

KRIDENTIA TECH (K-TECH)



Year of Incorporation : 1995

Vision : Technology entrepreneur that enhances quality of life

We are a leading IT COMPANY in Malaysia, SPECIALIZED in providing high end biometric security system solutions and comprehensive enterprise systems and integration software to both public & private sectors for the past 25 years.

We have partnered with WORLD MARKET LEADERS in the software and biometric industry to provide our clients with BEST OF BREED SYSTEMS AND PRODUCTS, specifically selected to provide accurate, trusted and secured identity management.

For biometric solutions and products, our base solutions are also being used by government and security agencies world-wide such as Interpol & FBI. In Malaysia we work with agencies within Kementerian Dalam Negeri to fulfil the most important element of any transactions; the AUTHENTICATION OF IDENTITY.

We have proven track records that demonstrate that projects undertaken are completed on time and within the budget allocated for more than 25 years.

KRIDENTIA TECH (K-TECH)

What we do?

Since the early 90s, Kridentia Tech had already established itself in Malaysia's IT industry after having secured the rights to provide biometric solutions for the local market through an exclusive agreement with Morpho Systems, now a subsidiary of SAGEM SA Defence and Security Division of France.

With many years experience in the business, Morpho Systems' accuracy in dealing with large databases over time has gained it the recognition for its expertise in the industry. This is due to the complexity of scoring a match as a result of the physical variance of fingerprints. Not only has Morpho Systems' strong R&D team set the benchmark for the other major players in the market, its encryption algorithm has become the "Gold Standard" for the biometrics industry globally.

Kridentia Tech has also built a team consisting of a technically sound management that oversees a highly capable group of 23 engineers in addition to two of the country's leading fingerprint experts with a combined experience of 75 years. The company's choice of products and services are entirely driven by the customers' business requirements. We also pride ourselves for being able to secure, undertake and deliver on time large projects within the client's specified budget.

KRIDENTIA TECH (K-TECH)

A major part of the company's accomplishments initially were derived from its active participation in hi-tech ventures locally. Among such notable projects were the successful provision and implementation of the criminal Automated Fingerprint and Face Identification System (BIOFIS and BIOFACS) for the Royal Malaysian Police (PDRM), setting up and maintaining a Civil Automated Biometric Information System (ABIS) for the Malaysian National Registration Department (JPN), Automated Fingerprint Information System (AFIS) for Kumpulan Wang Simpanan Pekerja (KWSP), eKYC & myKad API for major Banks and Telecommunications industry, Identity Management for Lembaga Tabung Angkatan Tentera (LTAT) and Integrated Terminal and Port Management Information System (ITPMIS) of Port of Tanjung Pelepas, Johor.

Building upon one success after the other and to fuel our growth agenda, Kridentia Tech is fast establishing a name for itself as a full fledged IT solutions provider; with capabilities in solution architecture, systems integration, WAN and LAN networking as well as general infrastructure.

We have also ventured into emerging technologies such as the field of advanced biometrics e.g. facial recognition with artificial intelligence (AI) capabilities, integrated biometric devices for mobility purposes, IOT equipments and solutions, specialized drones for security agencies, wireless and smart network for enterprise solutions; with the ability to plan, design and implement systems according to your needs.

KRIDENTIA TECH (K-TECH)

Kridentia Tech is more than just a consulting firm. It has also accumulated expertise over a diverse range of products and practices from its portfolio. This expertise in consulting combined with products and practices enables us to be an end-to-end IT solutions provider. It also means that Kridentia Tech is able to offer the best solution to our clients and not hard sell in-house products.

We are also committed to our vision of internationalizing our products and services by localizing them to the various market requirements. To achieve this, we have exchange-of-core-technology agreements with our partners to build vertical applications and OEM agreements. This serves not only to shorten the learning process at Kridentia Tech but also to ensure that the product evolves to cater to the localised needs of our clients. We will attain this goal by leveraging your existing IT investments to meet the technology demands of today.

KRIDENTIA TECH (K-TECH)

PDRM – BIOFIS (Biometric Fingerprint Identification System)

This is the first BIOFIS project in Malaysia that equipped the PDRM with a state of the art criminal Automated Fingerprint Identification System and manages the nationwide criminal fingerprint database since 1995. Due to the success of this system a second phase was implemented in 1998, which saw the implementation of 2 additional regional sites in the state capitals of Sabah and Sarawak. Currently the system is capable of handling 1.5 million criminal records. The overwhelming success of this project has become a benchmark for the ASEAN enforcement agencies and has increased the ability of the PDRM to resolve criminal cases effectively and efficiently.

KRIDENTIA TECH (K-TECH)

JPN – AFIS

Conversion

Kridentia Tech today claims the largest record conversion exercise ever undertaken in Malaysia which was achieved in record time using 97% local workforce in operation as a testimony to our commitment and undertaking in technology transfer. The conversion of 18 million citizen records (approximately 72 million fingerprints and 36 million photographs) were achieved in the period of 16 months with the help of our technology partner SAGEM.

This feat utilized the proven FBI s Fingerprint Image Conversion Operation (FICO) conversion system in Malaysia specifically for this project to ensure the integrity and security of the citizen documents. At the peak of operations, we converted in excess of 120,000 records a day surpassing the initial projection of 80,000 records a day.

This endeavor and achievement would have been impossible without the efficient technology transfer from the research and development team and the training provided to the local workforce by our technology partner to ensure the timely completion of the conversion activities.

KRIDENTIA TECH (K-TECH)

JPN ABIS

Production

In the framework of modernization and upgrading of the National Registration Department's (Jabatan Pendaftaran Negara) computerization systems known as SIREN (Citizen Information Record Management) which was undertaken by HeiTech Padu Bhd as the prime contractor; Kridentia Tech and SAGEM SA were engaged to provide the AFIS solution.

The decision was made after a rigorous benchmark exercise that included trials in UK and France. SIREN consists of one of the world's largest Civil AFIS and it has been operational since 1998. The AFIS is utilized to process new applications received for national identity cards from JPN branches nationwide and the database, which is sized for 25 million records, is populated through the conversion into digital format of about 18 million application forms.

Today the system is capable of processing 18,000 identifications (1:N) and 3,000 verification retrievals per day. The AFIS caters to both the SIREN and Government Multi-Purpose Card (GMPC) transactions. By end 2021, a new Biometric Information System (BIS) will be used where facial recognition is another modality being added into the existing fingerprint matching system and scaled up to serve 30 million records.

INTRODUCTION

- Kridentia Tech (K-Tech)
- **KRIDENTIA SERVE (K-SERVE)**
- Kridentia Innovation (K-Inno)

KRIDENTIA SERVE (K-SERVE)

- Kridentia Serve started in **2008** with the establishment of Enterprise Integrated Solutions Sdn Bhd (EIS). EIS became a subsidiary of Kridentia Tech Sdn Bhd and today, Kridentia Serve is a leading Information and Communication Technology (ICT) outsourcing company in Malaysia.
- Kridentia Serve design, install, operate and maintain **IT Services and Solutions** for multinational companies, government agencies and private companies.
- Kridentia Serve has established a network of **18 service support centers** strategically located in all major towns across the country including Sabah and Sarawak. Kridentia Serve employs more than **100** skilled and experienced professionals including **80** technically trained specialists..
- Kridentia Serve is nimble and can offer its services on ad-hoc project to long term contract basis. Kridentia Serve could offer attractive pricing models that are customized to the various requirements and scope of works.



KRIDENTIA SERVE (K-SERVE)

In line with our goal to become a premier information technology vendor in Malaysia, Kridentia has established its own Support and Services Centre to cater for all of our customers. The Support and Services Centre, which provides facilities for supporting, maintaining and servicing our current and future projects, includes:

Kridentia Helpdesk/Call Centre

Our hotline service provides first level support for our customers through a dedicated team of administrators and engineers. They will be responsible for providing first level support as well as organizing problem escalation and solutions. This helpdesk operates Monday to Friday from 9.00 am to 5.00 p.m. and Saturday from 9.00 am to 12.30 p.m. Our engineers are also available on call 24 hours a day.

Kridentia Service Centre

Primarily responsible for authorized servicing of optical blocks in live acquisition kits, portrait acquisition kits and various specialized equipment related to our solutions. Our engineers also support IBM PSeries platform, which are used widely in our projects. In addition, we also offer site intervention providing on-site installation and rectification nationwide.



KRIDENTIA SERVE (K-SERVE)

Kridentia Logistics Coordination

This team is responsible for coordinating and fulfilling consumable orders, deliveries, project rollout, hardware distribution, hardware relocation, repair & return, as well as inventory and configuration control for project implementation.

Utilizing these facilities, Kridentia can ensure that every project implementation is handled in a methodical, smooth and efficient process. To this end, we would like to share our experience and expertise gained from our proven capability in managing and delivering world class large scale projects in providing a cost effective operations and maintenance.



KRIDENTIA SERVE (K-SERVE)

JPN

- JPN Automated Fingerprint Identification system preventive and corrective maintenance for both hardware and software.



KRIDENTIA SERVE (K-SERVE)

PDRM

- PDRM Biometric Fingerprint Identification system preventive and corrective maintenance for both hardware and software.



KRIDENTIA SERVE (K-SERVE)

Today, with the onsite Service delivery team strength of multiple technical disciplines and 18 growing service centers, we're able to provide a wide range of solutions & services nationwide.



KRIDENTIA SERVE (K-SERVE)

Public Sector



Financial Services Sector



KRIDENTIA SERVE (K-SERVE)

Telecommunication & Hardware Principals



Oil & Gas, Plantation & Clean Energy

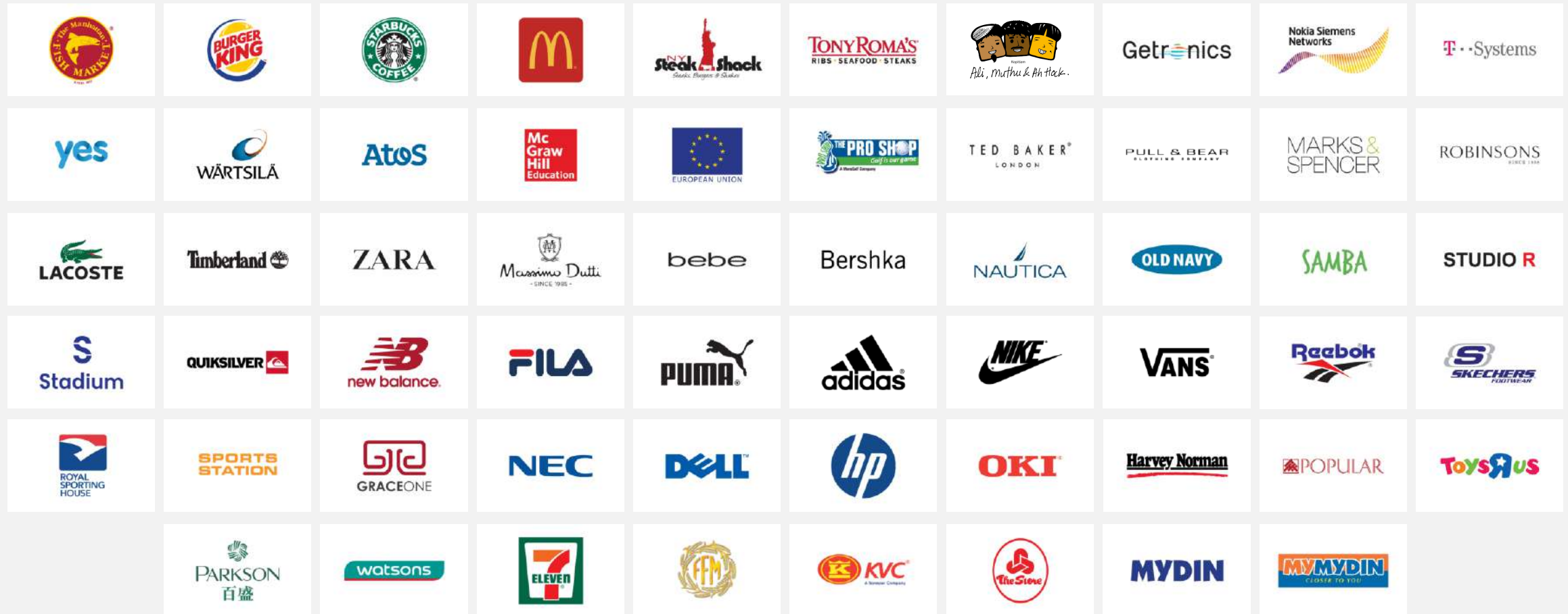


Transportation



KRIDENTIA SERVE (K-SERVE)

Network Monitoring & Managed Services



KRIDENTIA SERVE (K-SERVE)

MYKAD READER & FINGERPRINT ACQUISITION

Mobile Plug-Ins +
Desktop Fingerprint Scanners



PORTRAIT ACQUISITION

Portrait Acquisition Kit



Fingerprint +
Facial Identification



Matcher Workflow



Portrait Image Management



Digital Camera

**PORTRAIT
APP &
EQUIPMENT
FOR ID CARD**

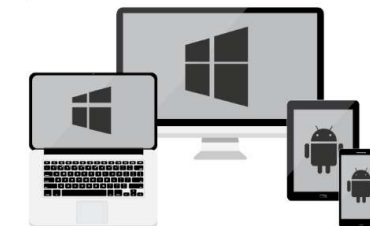
EXTERNAL INTEGRATION (1:1)

Agency Linked Up System



END TO END SYSTEMS INTEGRATION

Mobile, Desktop & Server Integration



KRIDENTIA SERVE (K-SERVE)

IDENTITY
CENTRIC
MOBILITY
TABLET

K-SAT



K-TAB

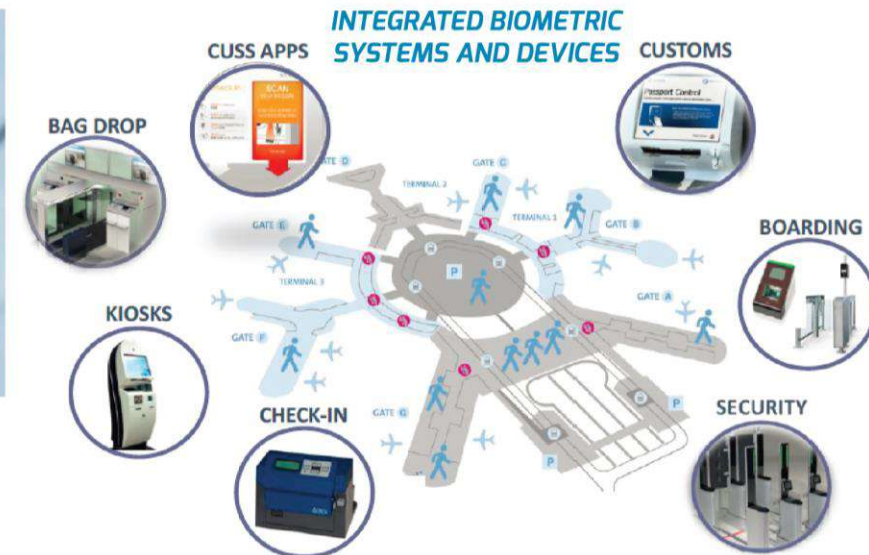
BIO-SMART
MOBILE
DEVICES



K-AD
Kridentia
Authentication
Device

FACIAL RECOGNITION & ENHANCED PASSENGER DIGITAL EXPERIENCE

REAL-TIME FACIAL RECOGNITION
AND VIDEO ANALYTICS FOR
SECURITY ENFORCEMENT
AGENCIES



INTRODUCTION

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KRIDENTIA INNOVATION (K-INNO)

Established to spearhead and manage research activities in Kridentia also to explore new techniques, study newest raw materials, implement advanced technologies and improve efficiency for our customer. Also responsibility to plan, coordinate, implement and monitor all R&D activities for improving our products and process.

Recently we have embarked on the development of embedded applications based on the Sagem OEM modules and DLLs to serve the market requirement of small footprint AFIS authentication devices. The potential use of these items range from hand held devices to web-based secured transactions and applications.

We are also currently integrating various security solutions such as CCTV, physical access control, intrusion detection and remote management system to provide an Integrated Security Management System solution for our customers.



KRIDENTIA INNOVATION (K-INNO)

OWN DESIGNED PRODUCTS

KR1010



KR1015



K-SAT



K-TAB



K-AD



idenT Camera



K-iD



KRIDENTIA INNOVATION (K-INNO)

IDEMIA @ MORPHO PRODUCTS



CBM1300 Series
with BIOPAK



MSO 300
Series with
BIOPAK



Morpho
Sigma Lite



Morpho
Sigma



Morpho
3D Face
Reader



Morpho
Tablet 2



Morpho
Wave



Morpho
Top



Morpho
Top Slim

MYKAD API (WINDOWS) & SDK (ANDROID)

KTmyKadWeb & KTMyKadDroid

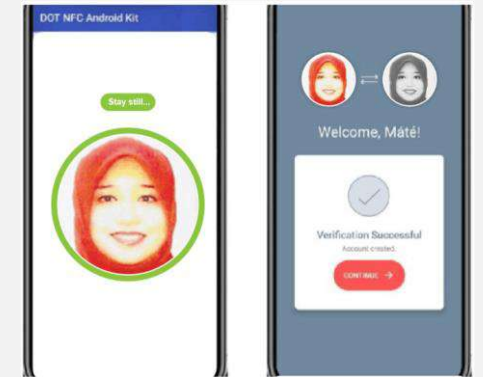
** support Windows 7, 8, 10 versions and Android 5 and above*

- **Specialized secured middleware** designed to be used with Idemia/Morpho smart card reader to read & verify one's identity for Malaysia identity cards (MyKad, MyKid, MyTentera, MyKAS, MyPR)
- Card reading capabilities covering **all myKad generations** (including the latest PKI-enabled, Enhanced Biometric Access or EBA myKad)
- **Dongle-less** operation supported for dynamic license management
- Specialized features to **check for irregularities** of specific smartcard access verification
- **Ease of integration** to your application systems
- **Secured and licensed software** with one year standard software maintenance support
- **Widely used** by Malaysian Government, FSI, Telco, Travel and Service Industry. Meets BNM and MCMC KYC & eKYC compliance policies.



Trusted Digital Onboarding and Identity Verification

Our eKYC Digital Onboarding solution is an AI-powered identity verification solution for seamless remote customer onboarding across all platforms (mobile, PC and server). Our integrated Digital Onboarding solution is a ready-to-integrate remote onboarding platform. Consisting of mobile and server components, we can authenticate and extract data from identity documents, verify identity using facial biometrics, and detect the liveness of an individual. Combined with trusted Facial Recognition algorithms, we deliver the fastest and most accurate face biometric customer onboarding solution to our Clients



Our OCR algorithm efficiently recognizes the type of the document and parses the personal information from both human-readable and machine-readable zones. If the ID document is NFC enabled, the mobile application, integrated with Document Toolkit SDK will read the NFC chip content which increases the security of the personal information acquisition. After this has been performed, taking face photo is the next step for customer on-boarding.

AWARDS AND RECOGNITIONS



2019 IDEMIA Valued Business Partner Award

AWARDS AND RECOGNITIONS



2017 SAFRAN Criminal Justice & Public Safety Partner Award and Identity & Security Star Award

Presented by Mr Pascal Fallet,
VP, Criminal Justice & Public Security Business Unit
SAFRAN Group, Moulinaux, France

AWARDS AND RECOGNITIONS



THE FACTS ON FIDO

The FIDO Alliance is an open industry association of over 250 organizations with a focused mission:

AUTHENTICATION STANDARDS

based on public key cryptography to solve the password problem

Today, its members provide the world's largest ecosystem for standards-based, interoperable authentication

300+

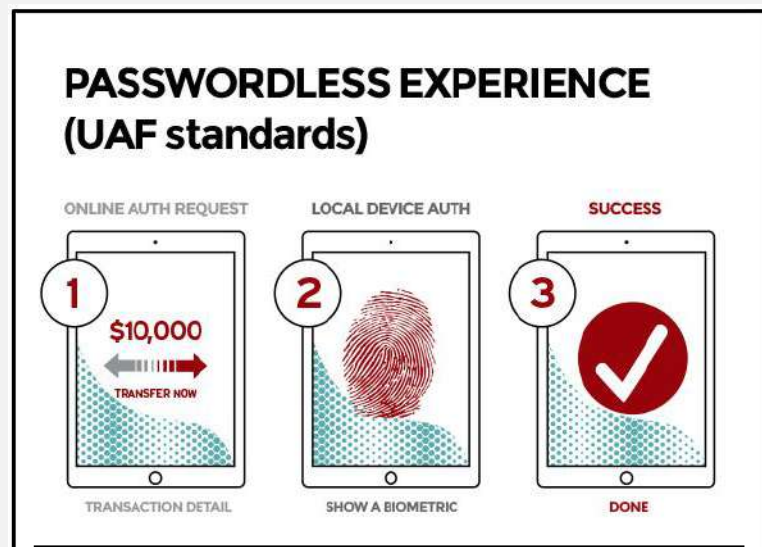
FIDO Certified solutions

Available to protect

3 BILLION

user accounts worldwide

GLOBAL AUTHENTICATION STANDARDS



fido[®]
alliance
member



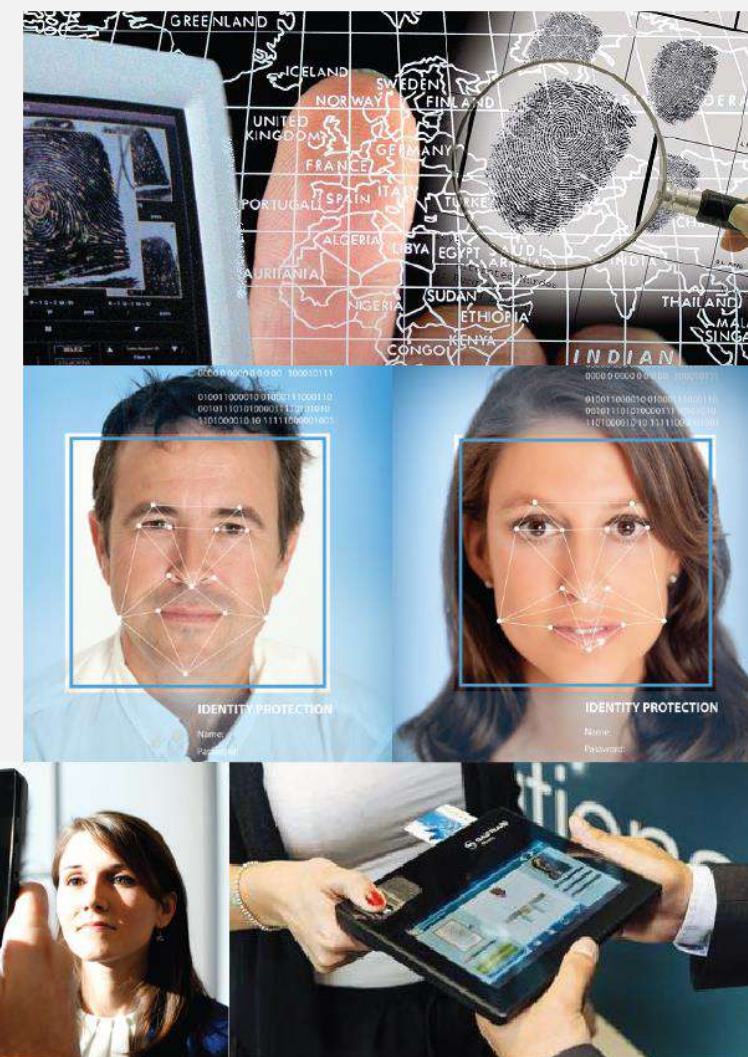
PARTNER NETWORK



Amazon Web Services **Technical Professional Partner Certification**

OUR STRENGTHS

- **More than 25 years of credible experience and track records** in biometric security implementations, namely **PDRM** for criminal biometric search and matchings since 1995; **JPN** for entire citizen fingerprint registrations and validations of 1 to many identifications since 1997 and **EPF** for member fingerprint verifications since 2005.
- **Authorized by JPN** to retrieve command sets to read **myKad, myKid, myTentera, mPR & myKAS identity cards**.
- **Distributor of Idemia (previously Morpho) and Innovatrics** biometric solutions. Morpho template is the de-facto identity verification template in myKad and Innovatrics is among the most accurate facial recognition algorithm in the world.
- **Nationwide service centers** for on-site support and large scale project deployments.
- **Experienced biometric security engineers for** application integration of user verifications to core business systems.
- **Established in-house R&D division** for current and future needs of enterprise products, API and SDK customizations.
- **Strong presence of biometric solutions** in Government, FSI & Telco



THANK YOU

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