

Toppan Ecquaria at the Heart of Digital Government

Toppan Ecquaria is the digital transformation arm of Toppan, a multi-billion group, and specialises in digital government transformation.

Established in 1998, the Singapore-based company has gained international standing with projects in many countries worldwide.

At Toppan Ecquaria, we digitally transform the way government interacts with businesses and citizens, enabling a more responsive yet secure public service with cloud-native solutions. With the line of government-compliant products under the Ecquaria Government Platform (EGP) suite, government agencies have transformed to cloud-native solutions on both Government Commercial Cloud (GCC) and the Government Private Cloud (GPC) with Microservices, Containers and DevSecOps.

From licensing to inspection and digital authentication, we commit to continuously develop government-compliant products and systems so that citizens and businesses can transact with governments conveniently and securely. With Toppan Ecquaria, Digital Gov is delivered.

Visit us at www.toppanecquaria.com.



S\$ **38** million
Largest Contract To Date

1998
Established

S10 EPPU
Certified By Singapore Government to handle highest level IT Projects with value exceeding S\$30 million

28
Awards & Accolades

Ecquaria Government Platform Suite

Ecquaria Government Platform (EGP) Suite is a line of government-compliant products that enables government agencies to digitally transform rapidly and securely.



**Ecquaria
Government
Platform**

Enabling fast deployment of digital government services.



**Ecquaria
DevSecOps
Stack**

Bridging the gap between “fast deployment” and “security”.



**Ecquaria
Integration
Centre**

Securing complex integration across multiple systems.



**Ecquaria
Machine
Learning**

Transforming operations with data-driven recommendations.



**Ecquaria
Monitoring
Stack**

Ensuring digital services are always available.

Ecquaria Government Platform

Ecquaria Government Platform (EGP) is a purpose-built platform for governments to design, build and manage citizen-centric digital services to co-create with citizens. Instead of the traditional monolithic design, the application is decomposed into smaller microservices with each microservice doing one thing really well. The small and nimble microservices provide government agencies with greater agility and resilience.

With the predefined APIs, governments can easily unlock digital assets to facilitate co-creation, putting citizens at the heart of transformation.



Unlocking API Economy

Loosely-coupled microservices and predefined APIs makes the services pluggable and open. Open APIs makes it easy for citizen to consume the microservices and for systems to integrate with little to no hardcoding.



Independent Scaling & Updating of Services

With each service being an independent microservice that can be updated or scaled without affecting other services, governments can respond quickly to feedbacks and policy changes.



Ensuring System Resiliency

Any failure in a certain service will only affect that particular service while the other services continue to operate as per normal.



Facilitating Frictionless Release

Through Continuous Integration and Continuous Deployment (CI/CD), developers are able to build, test and push their code multiple times a day across different environments. Applications can be developed and deployed rapidly, reliably, and repeatedly with minimal human intervention.



Hosting Environment Agnostic

Applications built on EGP are portable across environments and infrastructures. This facilitates easy migration and fast deployment.



Monitoring & Managing Individual Services

With the visualisation and monitoring tools, developers can visualise the metrics and pinpoint the fault or manage resources at an individual service level.

Digital Government

Digital government, like Smart Cities, is not an end goal. It is a means to deliver engaging citizen-centric government services. It is about exploiting technology to improve citizens living environments and create economic opportunities.

Citizen Engagement

Government services are no longer a one-way linear delivery process and governments are no longer just providers of services. Instead, governments are enablers of a co-creation culture. With the world getting increasingly interconnected, and data is open and available to all, there is so much that citizens and business can do to shape their living environment.

On the principle that people should have, and want to have, a say in the decisions, proper citizen engagement will strengthen relationship, enhance well-being of citizens and even formulate better policies that benefits the country.

- **Brunei E-Government National Centre (EGNC)**
Brunei Digital Government Ecosystem
- **Ministry of Communication and Information of Singapore (MCI)**
Gov.sg Portal
- **Prime Minister's Office of Singapore (PMO)**
eCitizen Ideas!
- **Supreme Council of Information and Communication Technology (ictQATAR)**
Qatar Services Portal (QSP)
- **The Bahamas Government**
The Bahamas E-Services

Business and Trade

Economic growth and business opportunities are key to any nation. With globalisation leading to an "explosion of international trade", how are the countries managing their import and exports, and ensuring a pro-business environment?

One critical aspect of business and trade is having an environment where setting up businesses are easy. The World Bank Group has ranked Singapore first in the Ease of Doing Business Index. "A high ease of doing business ranking means the regulatory environment is more conducive to the starting and operation of a local firm."

- **Brunei Ministry of Energy and Industry**
Business Licensing System (BLS)
- **Ministry of Trade and Industry of Singapore (MTI)**
Online Business Licensing System (OBLS)
- **Singapore Customs**
Trade Statistics System (TSS)

Workforce Development

Ensuring the availability of suitably qualified, skilled and energetic employees is one of the greatest workforce challenge that governments globally are facing. While digital disruption has created many new roles, some jobs are, inevitably, made obsolete.

Workforce development helps citizens reach their career aspirations and adapt to the new and ever changing demands. It also looks after the needs of the businesses, developing a manpower pipeline that supports industry growth.

- **Early Childhood Development Agency of Singapore (ECDA)**
Online Network for Educators (ONE@ECDA)
- **SkillsFuture Singapore (SSG)**
SSG SkillsConnect
SSG e-Certs

Digital Government

Judiciary

A transparent judicial system that assures everyone's access to justice is core to every nation. A strong judicial system not only ensures peace and justice, it is increasingly tied to the nation's social and economic development.

The interdependency between regulations and enforcements requires all agencies under the judiciary umbrella to work closely together. By tightening up the procedure, having an end-to-end process that accounts for all stakeholders, the effectiveness of the judiciary system will be enhanced.

- **Family Justice Courts of Singapore**
Integrated Family Application Management System (IFAMS)
- **State Courts of Singapore**
Integrated Criminal Management System (ICMS)
Regulatory Offences Case Management System (ROMS)

Building and Environment

Our living environment is now tightly intertwined with technology and disruptive technologies has increased citizens' expectations. From Global Positioning System (GPS) which is now an integral part of people's lives to location services constantly generates huge amount of data. Integrating the various forms of Big Data provides critical insights that improve policy making and urban planning.

Beyond urban living and real estate, technology will facilitate the leading of environment sustainability and protection.

- **Government Technology Agency of Singapore (GovTech)**
Smart Nation Big Data Analytics
- **Housing & Development Board of Singapore (HDB)**
HDB Hub for Business (HBiz) Portal
- **Meteorological Service Singapore (MSS)**
Weather Information Portal (WIP)

Healthcare

In recent years, there has been a significant focus on creating a transformational shift in the healthcare industry. However, just as across other industries, there is an ongoing debate on the viability of cloud-based solutions given the expectations to secure patients' privacy and sensitive personal information.

With the proper governance, digitally-contained information will be much more accurate and easily retrievable. This comprehensive information suite helps tabulate data on treatments, costs, performance, and effectiveness studies, which can then be analyzed and acted upon. In realising the vision of a more efficient IT infrastructure, digitised health records represent an undoubtedly crucial component.

- **Health Promotion Board of Singapore (HPB)**
Student Health Assessment Programme (SHAPE) and Integrated Dental Electronic Assessment for Students (IDEAS)
- **Health Sciences Authority of Singapore (HSA)**
Forensic Integrated Operations Network Application (FIONA 2.0)
- **Public Service Division of Singapore (PSD)**
Medical Claims Pro-ration System (MCPS)

Master Planning and Consultancy

Our team of digital government consultants has enabled governments to fast-track their digital government initiatives and benefit from leading innovation, concepts and best practices embedded with every digital government solution from Ecquaria.

Governments can leverage on the expert guidance offered through our consulting services based on our proven digital government methodology, domain knowledge and extensive experience in implementing e-government successes around the world.

- **Ghana** - Smart City Infrastructure Consultancy
- **Kuwait** - Online Integrated Business Service Consultancy
- **Qatar** - Business Services Setup Consultancy
- **Rwanda** - Digital Government Masterplanning
- **Trinidad & Tobago** - Digital Government Consultancy

For more information, please visit www.toppanecquaria.com

Every effort has been made to ensure the information included in this brochure is true and correct at the time of going to press. However, the products described herein are subject to continuous development and improvement, and the right is reserved to Toppan Ecquaria change their specifications at any time.

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