Fostering the future of the public sector with AWS

Introduction

Public sector organizations face unique challenges in accomplishing complex missions with limited resources. Amazon Web Services (AWS) enables customers to accomplish a variety of missions on the AWS Cloud via our partners' solutions.

Read this eBook to uncover how our independent software vendor (ISV) community in Asia Pacific are using AWS services to develop innovative solutions to drive digital transformation and address public sector needs.

Schedule a demo to learn more about the solutions and start your digital transformation journey with us.
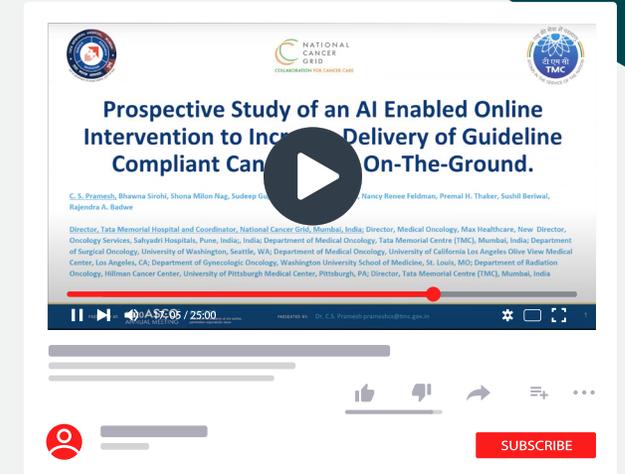
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Navya

Empowering patients with timely, personalized, and affordable treatment plans

Despite the survival benefits of guideline-compliant cancer care, both undertreatment and overtreatment remain prevalent. This not only affects patient well-being, insurers also incur unnecessary costs from overtreatment expenses. To standardize cancer care and improve clinical outcomes, healthcare providers need to explore more efficient channels for patients to obtain quality medical advice in line with national healthcare guidelines.

Navya's online intervention service:

- Matches patient medical records with live expert reviews to recommend treatment plans based on national cancer treatment guidelines

- Provides patients with personalized, evidence-based treatment reports and decision-making support, saving cancer specialists and doctors up to 90 percent of processing time

- Saves insurers up to 675 million rupees in overtreatment costs by providing clear treatment guidelines for medical claim pay-outs

- Empowers governments and policymakers to develop better healthcare and policy guidelines using structured and rich data sets

Watch this video to learn how Navya promotes guideline-compliant cancer care

About Navya

Serving over 26,000 patients in 67 countries, Navya's patented system powered by artificial intelligence (AI) recommends cancer treatment plans tailored to each patient's unique needs. Every treatment plan is based on clinical evidence and consensus-driven, real-time expertise of specialists at the Tata Memorial Centre and National Cancer Grid, a network of India's leading expert cancer centers.
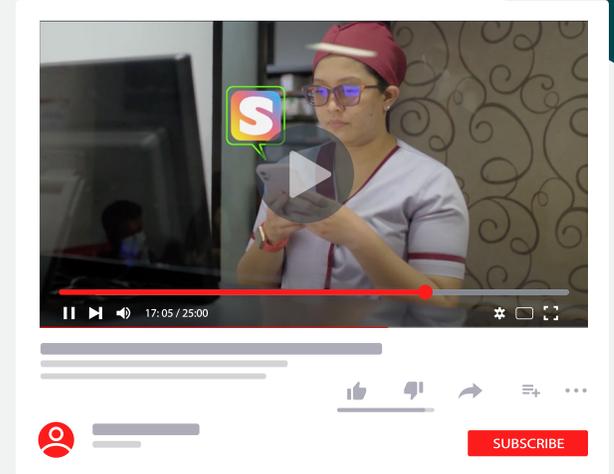
ISN
Stepping up public service provision in the digital era

With the smartphone penetration rate in **Indonesia reaching more than 70 percent** ❯, this creates new challenges and opportunities for the public sector. To deliver quality public services in a country of nearly **200 million smartphone users** ❯, district and city governments are increasingly looking to the cloud to improve user experience and meet their computing, application, storage, and data analytics needs.

ISN's ❯ public service digital platform **(SpeedID)** ❯:

- Supports Indonesia's mobile queueing system for healthcare services, with virtual waiting rooms, real-time dashboard monitoring, and push notifications

- Makes it convenient for users to book medical appointments online, remotely register and check-in, and monitor live queue times to minimize unnecessary wait times

- Provides a premium, easy-to-use service to both public service providers and users that is fully smartphone-based

- Reduces crowding while allowing public service providers and governments to optimize planning, management, and delivery using real-time data

- Additional features can be added to report emergency situations, provide citizen feedback, disburse government announcements, and many more

Watch this video to discover how Bamboomedia improves public service delivery:

About ISN (PT Inovasi Solusi Nusantara)

Launched in 2003, ISN (part of Bamboomedia) is a creative software company based in Bali, Indonesia. The company develops Smart City solutions, specifically for public service platforms. Its goal is to boost Indonesia's information and communications technology development, Smart City initiatives, as well as to meet the sector's growing market needs.
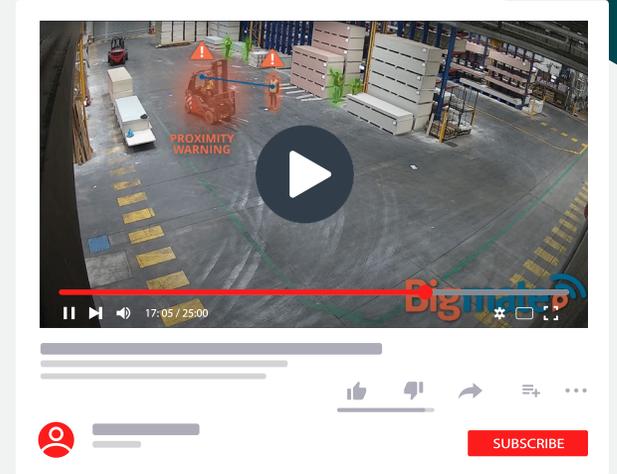
Bigmate
Delivering simple solutions to meet complex industry safety challenges

Risk management is critical in reducing workplace accidents. However, even though health and safety considerations are at the heart of many businesses, risk management can be a challenge, especially in workplaces where safety and compliance monitoring capabilities are limited.

Warny, Bigmate's computer vision workplace safety application:

- Complements most digital CCTV systems to detect the real-time proximity of people to potentially dangerous equipment and likely points of impact

- Uses AI and Machine Learning (ML) to monitor and identify unsafe activities. Warny generates real time alerts and can interact with machinery to shut it down, preventing serious injuries and saving lives.

- Provides a deeper, data-backed understanding of key employee behaviors and environmental factors that could potentially lead to accidents

- Improves awareness of unsafe practices for better employee well-being and business outcomes

Watch this video to learn how Warny automatically detects hazards, preventing workplace injuries

Bigmate is an Australia-based technology company focusing on innovative critical risk management solutions that leverage computer vision, AI/ML, and Internet of Things (IoT). These solutions — ranging from location tracking to industrial sensor and productivity — are designed to help companies improve workplace safety and efficiency.

Priva Sapien
Taking the next step forward in data privacy protection

Protecting the privacy of data in use is a key challenge for companies around the world, especially as they embark on digital transformation initiatives. Compared to security technologies for safeguarding data at rest and data in transit, data in use requires more complex risk assessment and mitigation measures.

Priva Sapien's data privacy solutions makes it easy for organizations to implement, automate, and verify intelligent, context-based data privacy measures for data in use

- **Privacy X-Ray:** A privacy risk assessment product for data collaboration that helps organizations to assess the amount of risk involved in storing and sharing data

- **Event Horizon:** A data anonymization and de-identification solution that mitigates risks for privacy preserved data collaboration

Featured use cases
Healthcare:

- Priva Sapien helps healthcare organizations in Asia to transform sensitive patient health data into anonymized records that can be securely shared for purposes such as clinical research, national disease surveillance, vaccination tracking, and supply chain optimization — all while protecting patient privacy

- Privacy X-Ray and Event Horizon are used by healthcare organizations across Asia to facilitate collaboration between hospitals, laboratories, research institutions, and pharmaceutical companies

- The company has won the AatmaNirbhar Bharat App Innovation Challenge, awarded by India's Ministry of Health and Family Welfare, for its privacy preserved healthcare data collaboration solutions

Priva Sapien is a privacy company in India that offers SaaS solutions to help organizations comply with privacy regulations and create a privacy preserving data collaboration ecosystem. With privacy technologies playing a critical role across verticals and in the public sector, Priva Sapien boosts digital transformation initiatives by creating a strong data privacy foundation for business models of the future.
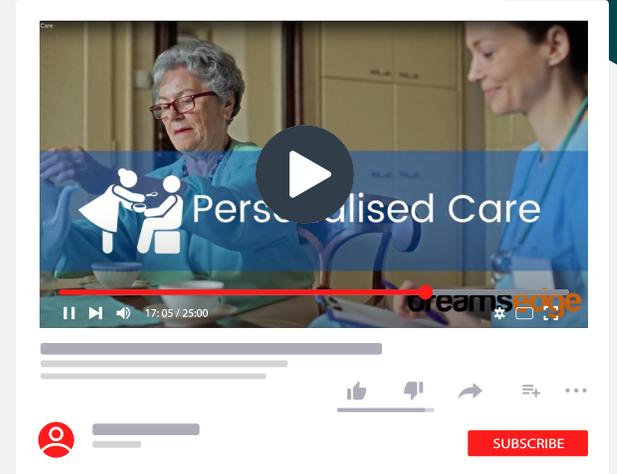
Cloud Burst Australia

Revitalizing aged care services to meet growing market needs

The aged care sector is facing increased pressure due to a skills shortage, rising consumer expectations, as well as stringent regulatory requirements, especially in markets with rapidly aging populations. To maintain high service standards and increase operational efficiency, many aged care businesses are turning to technology-led innovation and IoT solutions.

Cloud Burst Australia's digital business and operations platform, **DREAMSedge**:

- Monitor residents, staff, visitors, and physical assets in real-time at home and at care facilities via a single 360° resident dashboard view

- Caregivers are increasingly reliant on technology to help with medication management, vital signs and environmental monitoring, as well as the overall health and well-being of senior citizens

- Increases staff engagement and confidence, provides support via QR code training and ensures carer's times are utilized more productively for a higher level of personalized care

Watch this video to find out how the DREAMSedge platform also supports the education sector in a post-COVID environment:

Cloud Burst Australia is a software and managed services provider that delivers transformation projects, applications, infrastructure, and end-user services to customers in sectors ranging from healthcare to government. Its expertise in areas including systems integration, cloud, and data analytics has helped generate more than $600 million in value to organizations across 500+ projects.

Key takeaways

What public sector organizations should consider before going digital:

- Strategies to help employees make a seamless transition to digital workflows

- Technological solutions that support efficient data storage, processing, and sharing

- Accessible and convenient user interfaces to maximize adoption rates

How governments can deliver public services more effectively:

- Provide industry collaboration opportunities

- Design engaging service delivery platforms based on demographic needs

- Help employees and citizens adapt to new technologies and digital platforms with training opportunities and public awareness programs

How AWS GovTech ISVs are supporting digital transformation in the public sector:

- Provide resource-efficient digital public service delivery infrastructure

- Tailor solutions to meet each organization's unique needs and priorities

- Deliver innovation that meets the ever-evolving needs of citizens

Fostering the future of the public sector with AWS

Ready to take the next step forward in your cloud journey?

Learn more about how AWS can help modernize aging IT infrastructures and improve operational productivity.