Asia Pacific Public Electronic Procurement Network
10th Annual Conference,
December 2024, Manila, Philippines

What we have achieved so far….

- Asia Pacific Public electronic procurement network established

- SaaS configuration workshop conducted

- SaaS contract competitively tendered and implemented (InTend UK)

- Ten annual APPEN conferences organized (including current one)

- 3 periodic surveys of e-government procurement conducted, with prevailing practices and challenges summarized (2014, 2019, 2023)

- Participation in Global Public Procurement Conference (Washington, DC, 2019) and learning from Inter-American Government Procurement Network

- Collaboration with other development partners – World Bank, IADB, IsDB, EBRD, PPS Korea

What we have achieved so far….

- NGO engagements
- Consumer Unity &Trust Society (India)
- Open Contracting Partnership
- eGp systems in ADB DMCs assessed
- IT security audits conducted
- Emerging issues researched, knowledge papers presented and published (use of blockchain in eGP, integration of FMIS and eGP, electronic procurement complaints)

Challenges and opportunities ....

- COVID-19 response – rapid engagement of Tenderlink provided platform for e-bidding when face-to-face procedures were no longer feasible

- Conference moved to virtual mode in 2020 and 2021

Challenges and opportunities ….

- Country-focused policy and capacity development support
- Indonesia
- Cambodia
- Papua New Guinea

Good Governance and eGP

- Good governance refers to the quality and effectiveness of the processes and institutions that shape the decisions and actions of public authorities and other actors that affect the lives and well-being of people. T

- Good governance is essential for achieving sustainable development, peace, and human well-being

- The United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) has identified eight characteristics of good governance that can serve as a normative framework and a practical guide for assessing and improving governance in the region.

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1. Participatory
2. consensus-oriented,
3. accountable,
4. transparent,
5. responsive,
6. effective and efficient,
7. equitable and inclusive,
8. and follows the rule of law.

eGP objectives

Economy	Efficiency	Effectiveness	Enhanced transparency and accountability
Increased accessibility	Economic development	Cross-border commerce	Equitable and inclusive

Trends in E-Government Procurement in Asia and the Pacific

Digitalization of Procurement Processes

Governments in Asia and the Pacific are increasingly digitalizing their procurement processes to improve efficiency and transparency, reducing manual processes and paperwork.

Automation of Procurement Processes

Automation of procurement processes in government organizations has become increasingly popular in Asia and the Pacific, resulting in faster, more efficient procurement processes and reduced costs.
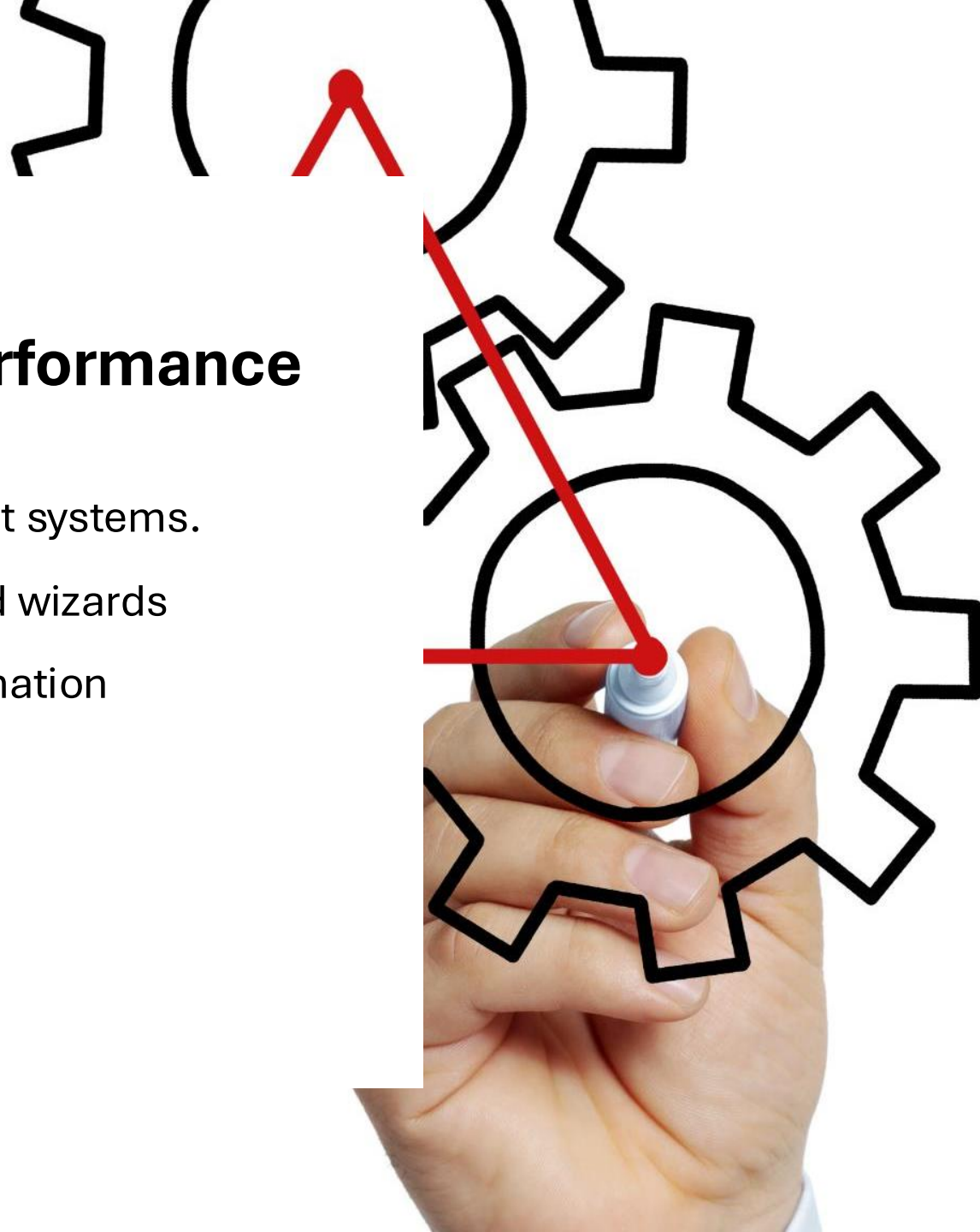
Transparency and Accountability

Governments in Asia and the Pacific are emphasizing transparency and accountability in their procurement processes by using digital systems and automated tools to ensure visibility and traceability.

Digital tools for procurement performance

- Electronic procurement systems.

- Smart digital forms and wizards

- Robotic process automation
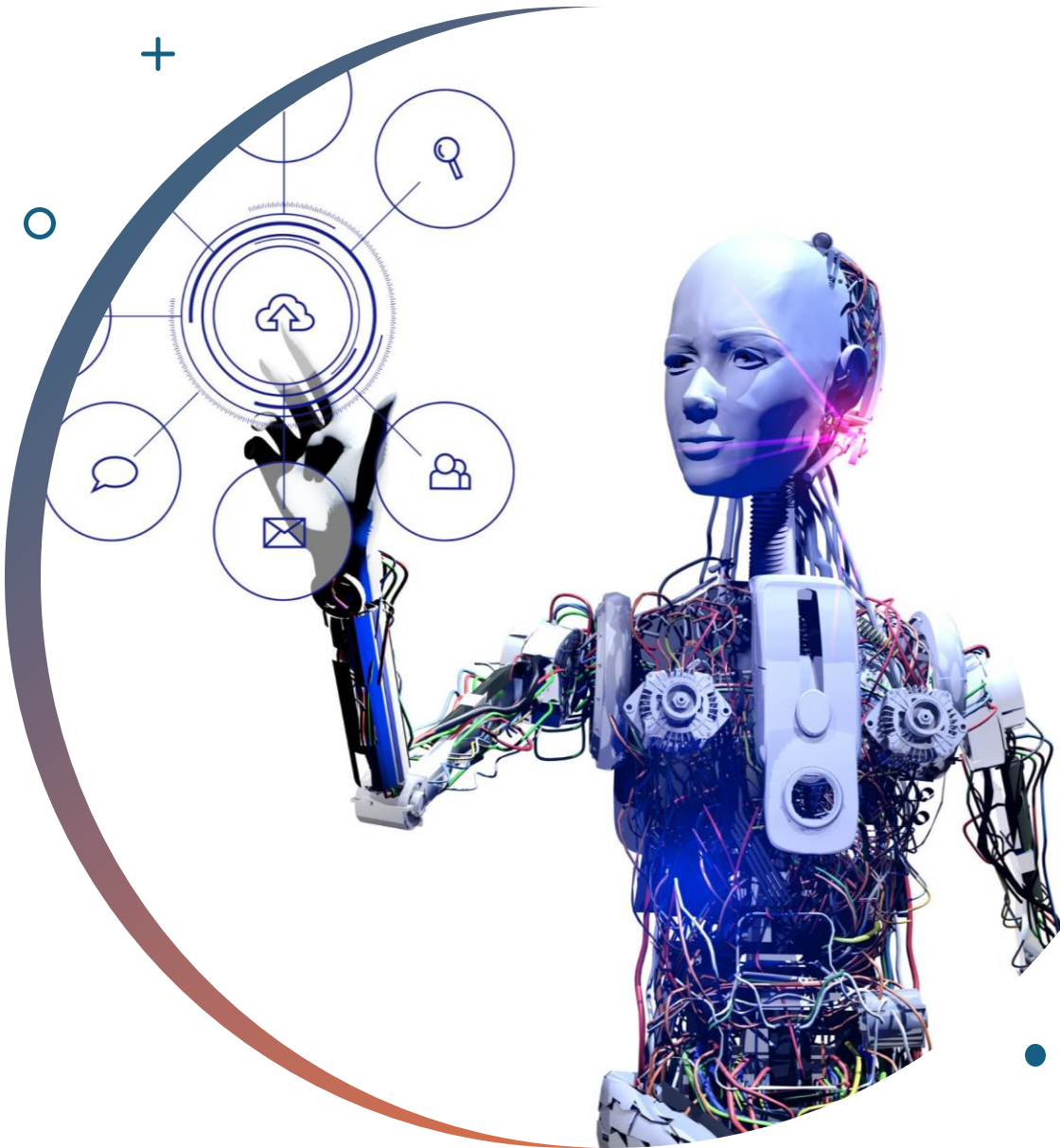
- Big Data

- Artificial intelligence

Smart Forms (procurement)

- Use of catalog of templates with entries limited to variable fields
- Can we used to create bid documents, contracts, contract management plans.

Smart contracts

- Smart contracts are digital contracts stored on a blockchain that are automatically executed when predetermined terms and conditions are met.

- Smart contracts are typically used to automate the execution of an agreement so that all participants can be immediately certain of the outcome, without any intermediary's involvement or time loss. They can also automate a workflow, triggering the next action when predetermined conditions are met.

- Source: IBM

What is RPA? How does it work?

RPA is the use of software robots to automate manual and repetitive tasks. These robots can perform tasks such as data entry, form processing, and report generation, freeing up valuable time for employees to focus on higher-value activities.

RPA works by using software robots to mimic human actions. These robots can interact with applications, databases, and websites, just like humans. They can perform tasks such as opening emails, copying and pasting data, and completing forms.

RPA in Procurement Processes

Supplier Onboarding

RPA can automate the supplier onboarding process, saving time and effort by performing repetitive tasks like data entry, background checks, and documentation verification.

Invoice Processing

RPA can automate the invoice processing, ensuring accuracy and compliance by extracting data from invoices and verifying against purchase orders and contracts.

Purchase Order Creation

RPA can automate the creation of purchase orders, reducing errors and delays by generating purchase orders based on predefined rules and guidelines.

Using Big Data in Public Procurement

- **Why big data analytics in procurement matters**

- Big data in procurement plays a key role in helping procurement and supply professionals make good decisions. Big data means analysing and using information of extreme size and complexity. Procurement produces huge amounts of data across the whole supply chain, through different systems, operations, and geographical locations. Big data in procurement helps to identify trends and patterns within procurement activities, that will help you spot opportunities, risks and help to drive value throughout the whole organisation.
https://www.cips.org/intelligence-hub/procurement/big-data-in-procurement

Big Data in Procurement - uses

- **<u>Risk management:</u>**

- Big data analytics allows you to access both historical and real-time data, making it easier for procurement professionals to monitor trends and patterns and supplier behaviour. You'll be able to manage risks associated with suppliers by looking at supplier costs and the value of their products they are providing to your organisation.

- https://www.cips.org/intelligence-hub/procurement/big-data-in-procurement

Big Data in Procurement - uses

- **Predictions:**
- As big data analytics allows you to look at historical data, you'll be able to make predictions much more easily. For instance, you'll be able to predict the demand for certain stock and make sure the right resources are sourced.

- **Collaboration**
- Big data analytics plays a key role in helping procurement teams become key-decision makers and therefore more collaborative with wider departments. For example, big data analytics can help to give a better understanding of the quality of stock that it buys. If the data shows that certain products are unreliable then you'll be able to negotiate better terms with suppliers.
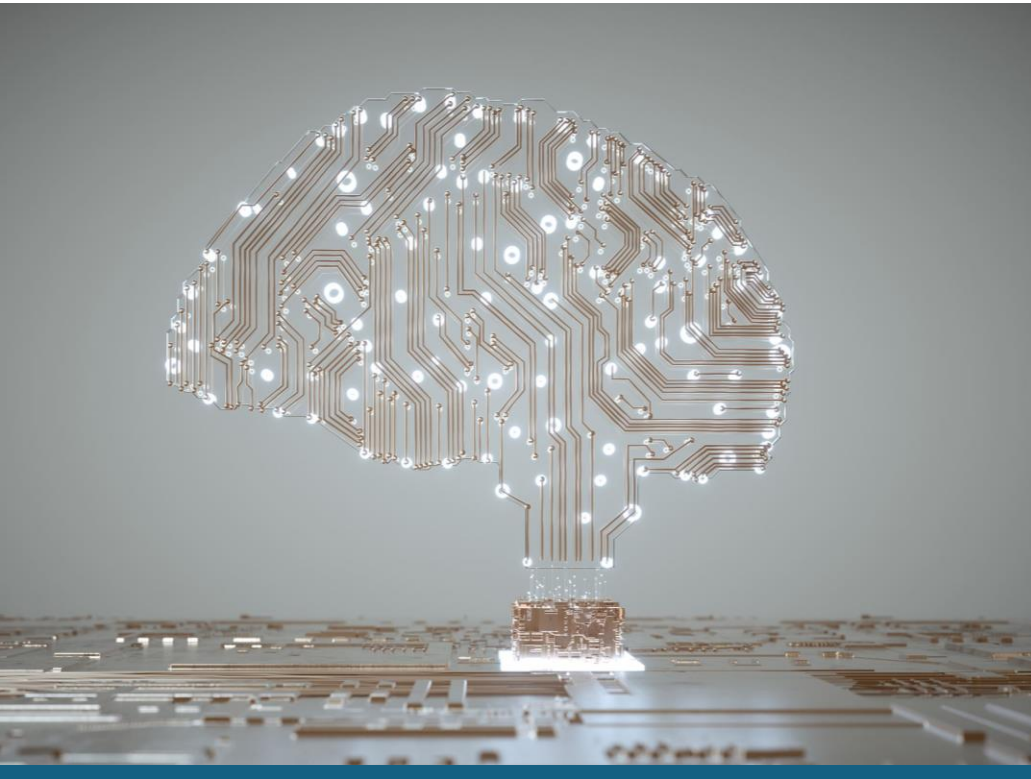
- https://www.cips.org/intelligence-hub/procurement/big-data-in-procurement

Big Data in Procurement - uses

- **<u>Compliance:</u>**
- Real time data will allow you to improve how you manage your suppliers and if they are complying to the agreements in place.

- https://www.cips.org/intelligence-hub/procurement/big-data-in-procurement

The Role of AI in Procurement

- AI can enable procurement organizations to solve complex problems more effectively.

- AI can be integrated into software applications for spend analysis, contract management, and strategic sourcing.

- AI is useful in guided buying, chatbot applications, inventory management, error detection, and automation of manual tasks.

- AI can use digital technologies that can learn and adapt human behavior.

- AI can provide procurement professionals with additional insights based on extremely complex and large data sets.

- In its most basic form, AI has the potential to drastically alter work practices in even the most complex organizations.