THINKING FORWARD

ENTERPRISE ARCHITECTURE

Enterprise Architecture & Central Government: UK

Thursday 30th November 15:10 – 15:30

Jamie Roberts

Managing Director – Enterprise Architecture Ltd

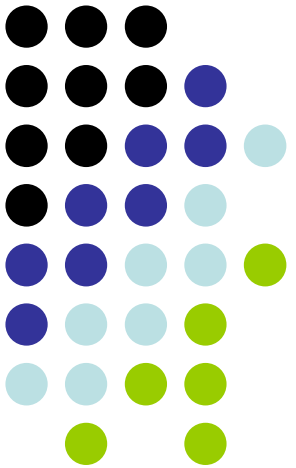
10th Annual Enterprise Architecture Conference

ENTERPRISE ARCHITECTURE

Central UK Government: *Justice Sector*

Enterprise Architecture progress:

- Department for Constitutional Affairs (DCA)
  - Successful business case developed
  - First cut EA delivered in 10 weeks with immediate business benefit returns
  - Most effort in Business and Applications layers
  - Rapid EA Framework aligned to TOGAF
  - EA Tool Selection & Procurement
  - Roadmaps developed for HMCS – 5 year vision
- CJIT (Criminal Justice IT)
  - EA Business Case Developed & Promoted
  - Strategic partners to the DCA



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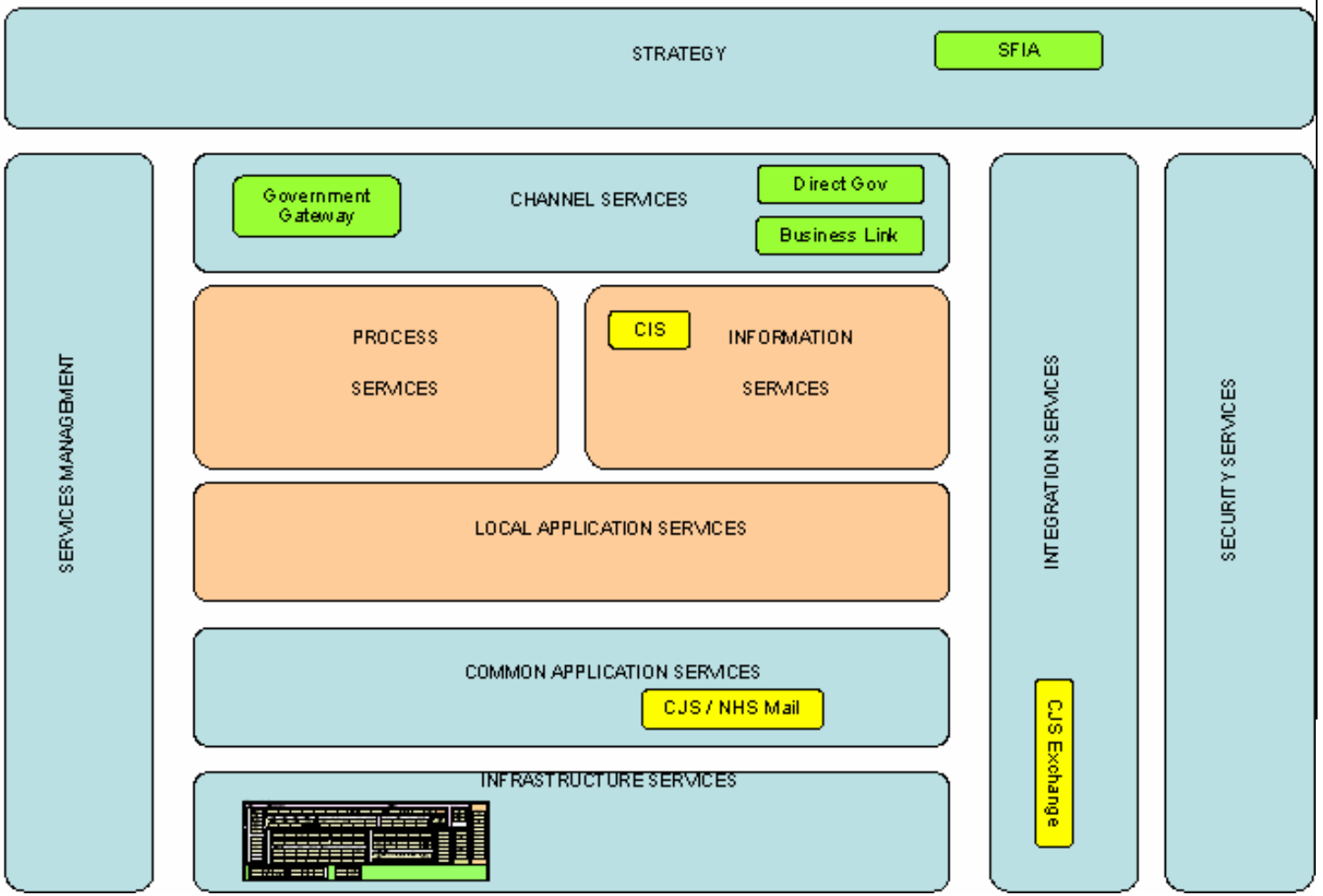
HMG EA Reference Model



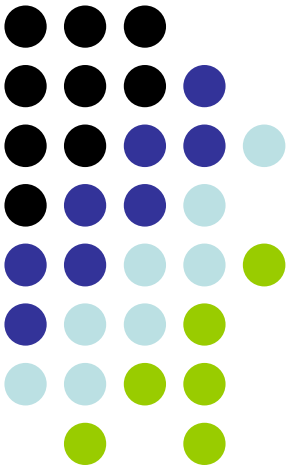
The Value of a xGEA

The business-led vision that underpins the Transformational Government agenda requires an improved method of identifying opportunities:

- To **reuse** solutions developed for specific issues but which potentially could have a wider value
- To **share** across public sector organisation boundaries to work more efficiently and save resources
- To be informed of the **wider context** (other public sector bodies, business and the citizen) in which IT enabled business change is taking place

By effectively providing a business and IT blueprint for government, the xGEA will help to deliver these requirements. Other benefits include:

- Promoting the development of common infrastructure
- Improved management of risk
- Identifying and aggregating demand to promote efficient use of resources
- Sustainable alignment of business and IT functions
- Agreement of shared standards to promote better inter-working between agencies
- A greater competition in the supply of IT services and products
- Improved business agility and a reduction of total cost of ownership



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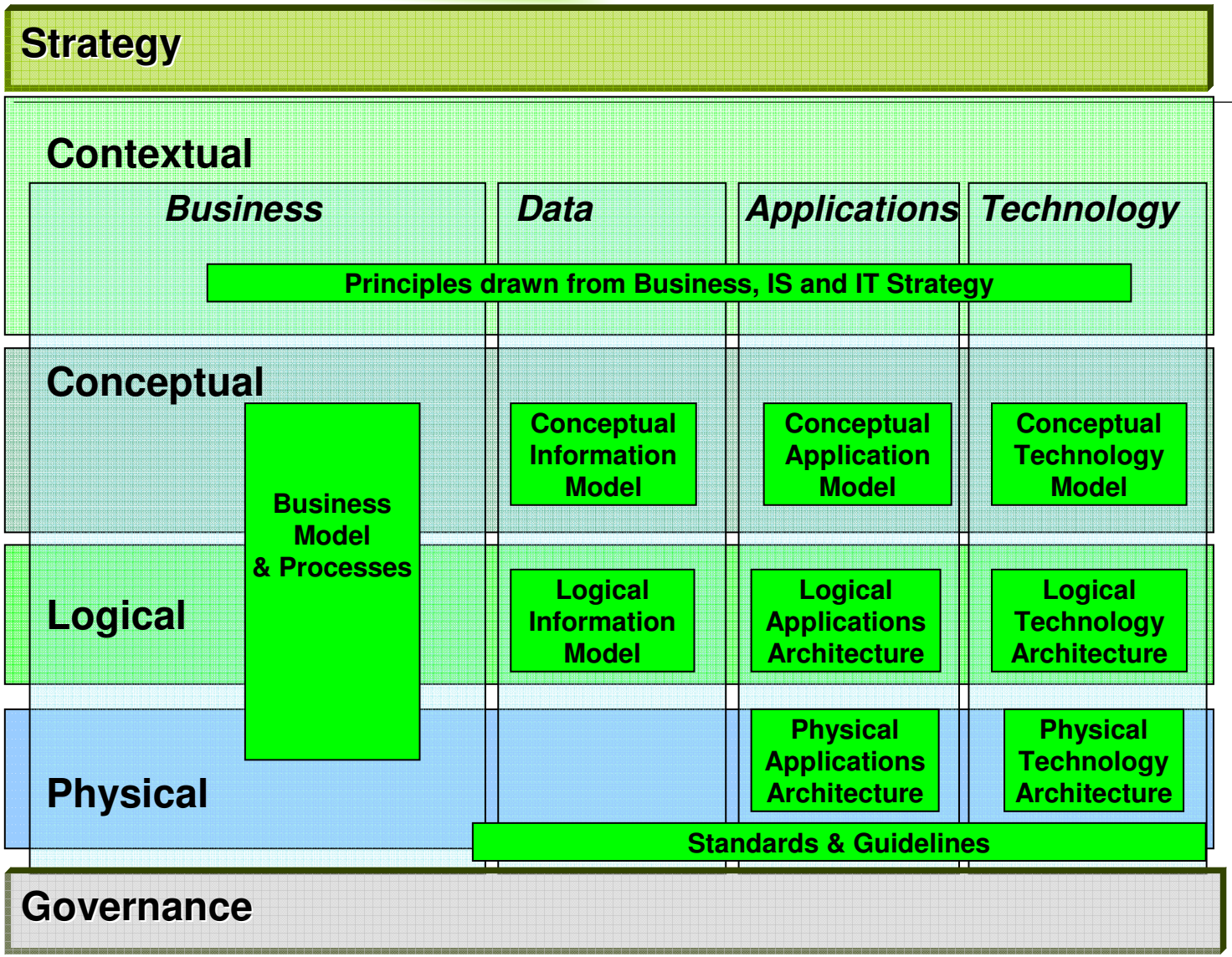
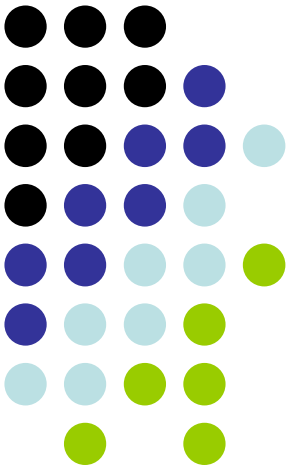
REAF





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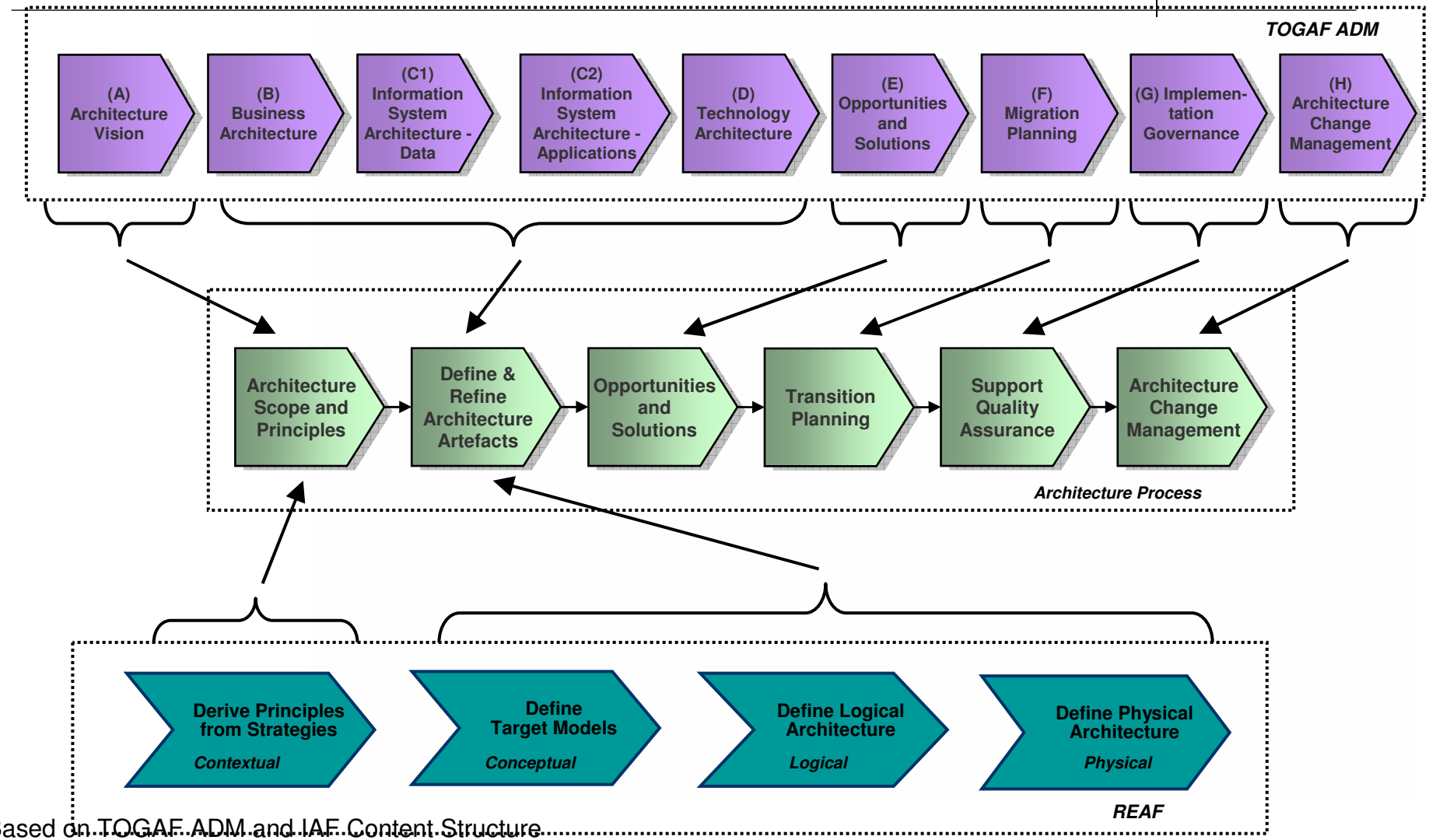
Architecture Process



•Based on TOGAF ADM and IAF Content Structure

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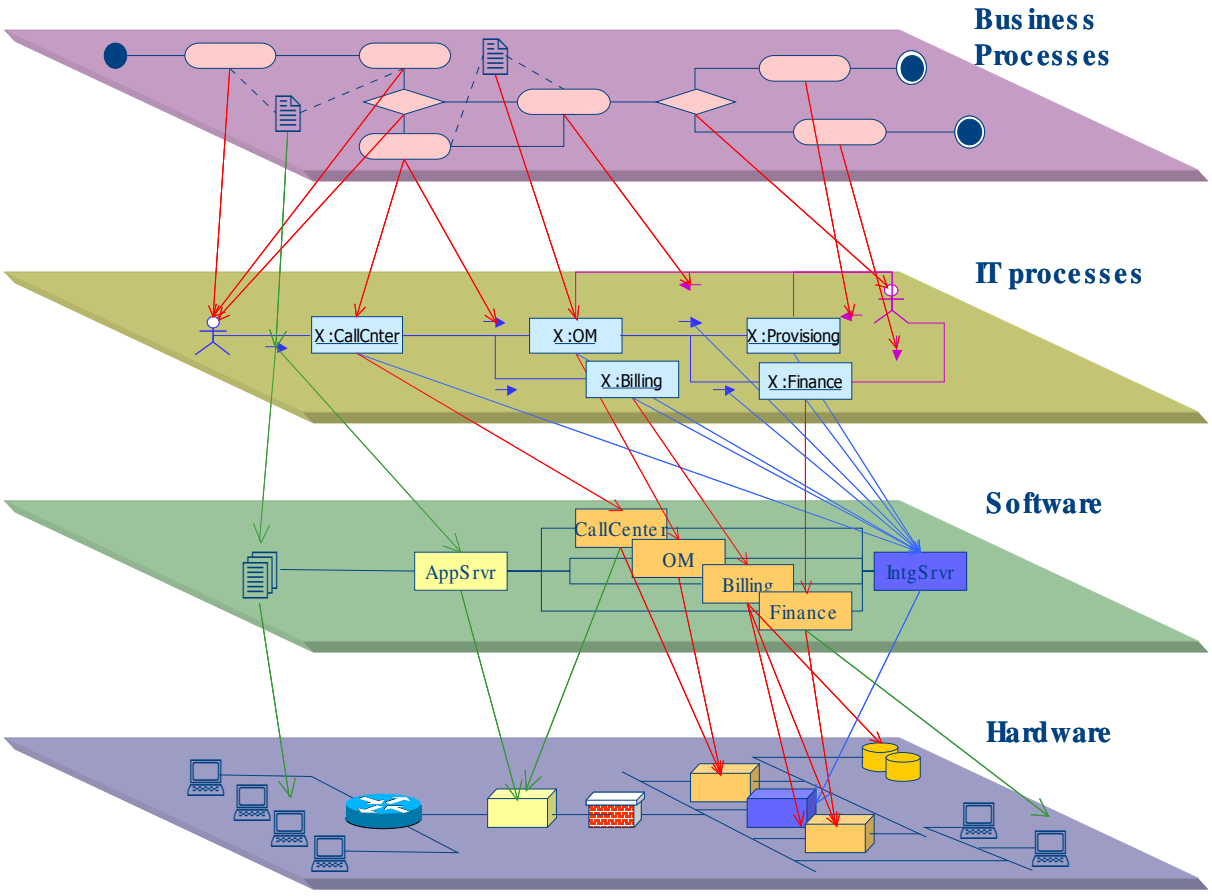
EA provides an audit path

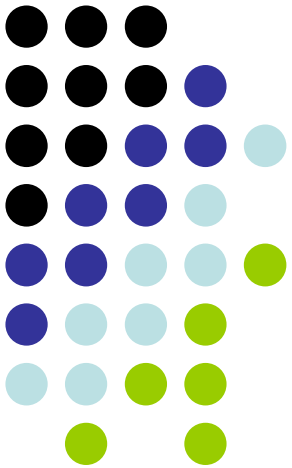


- Activities
- Work Flows
- Entities / documents
- Business Actors

- Information flows
- Business objects
- IT Actors
- Messages / Operations
- Interaction Diagrams

- Applications
- UI
- Application Server
- Database
- Interfaces, Integration Server & Middleware

- Physical Servers
- Disks
- Workstations
- Network & Firewall



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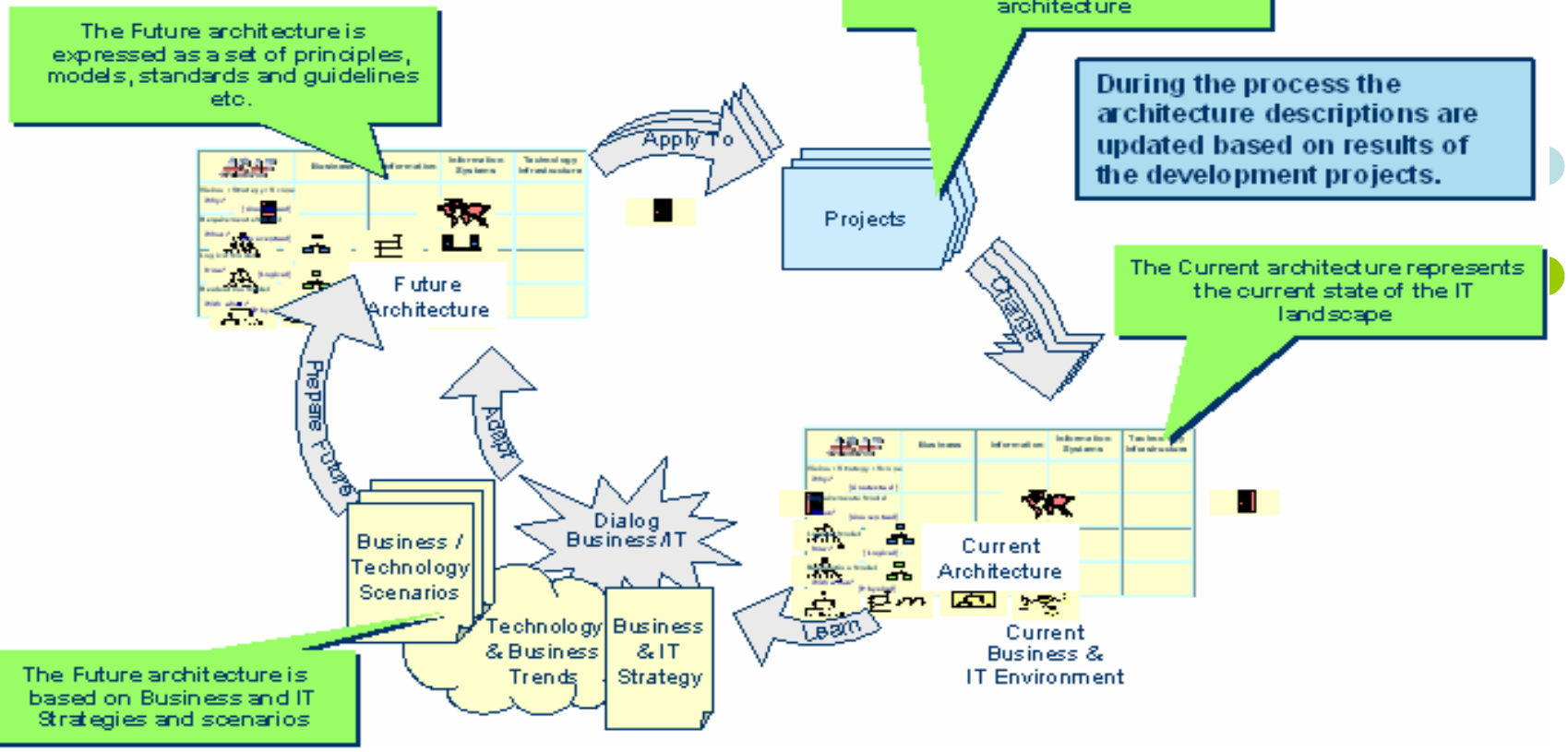
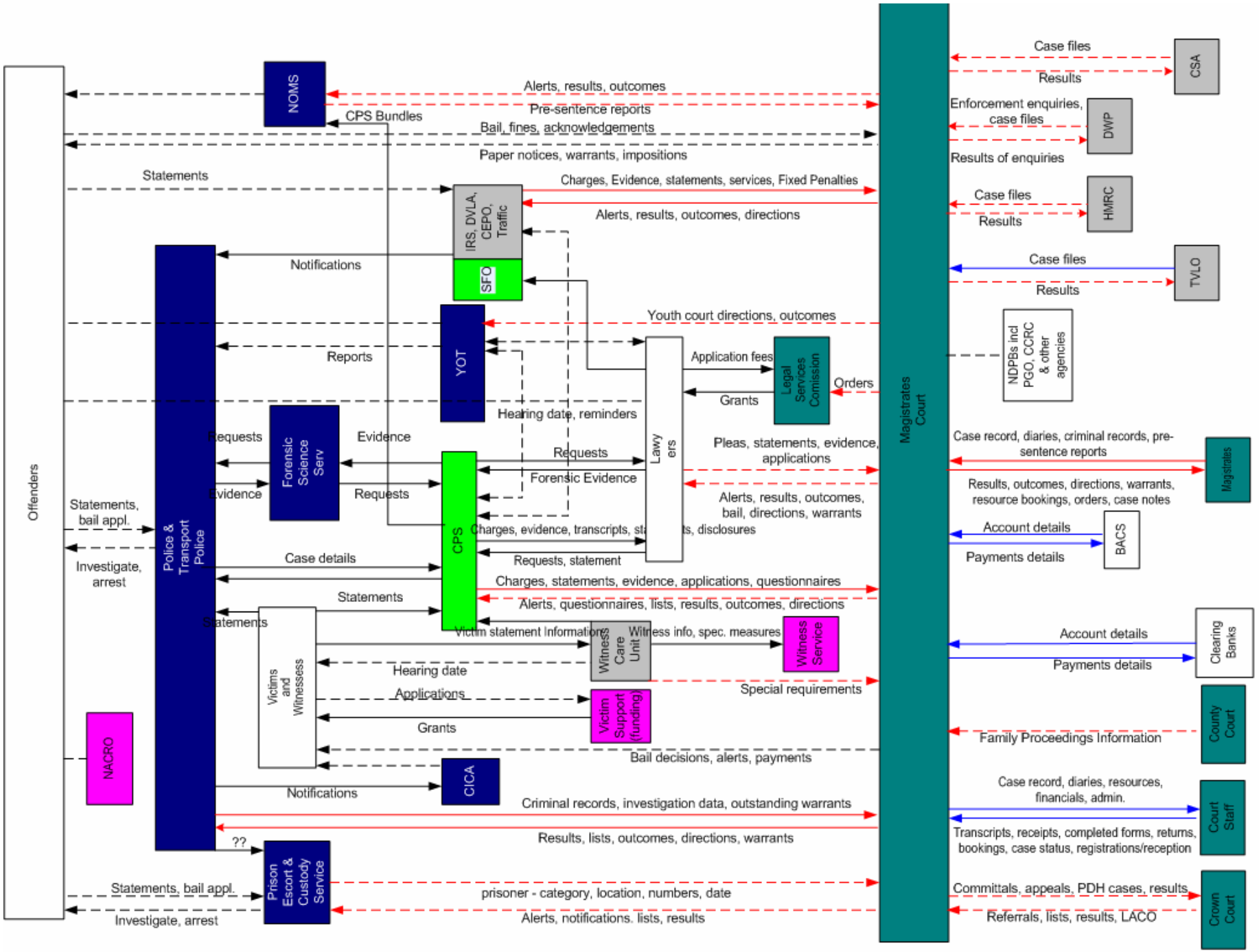
Architecture Evolution & Management

The architecture lifecycle in an ongoing process that forms the core of architecture work, to meet the business and information technology needs. The process is based on a dialogue and interaction with the business users to ensure business alignment.





Offenders
NOMS
Alerts, results, outcomes
Pre-sentence reports
CPS Bundles
Bail, fines, acknowledgements
Paper notices, warrants, impositions
Statements
Charges, Evidence, statements, services, Fixed Penalties
Alerts, results, outcomes, directions
IRS, DVLA, CEPO, Traffic
SFO
Notifications
Youth court directions, outcomes
YOT
Reports
Application fees
Legal Services Comission
Orders
Grants
Hearing date, reminders
Requests
Forensic Science Serv
Evidence
Requests
Forensic Evidence
Lawyers
Pleas, statements, evidence, applications
Alerts, results, outcomes, bail, directions, warrants
Statements, bail appl.
Investigate, arrest
Police & Transport Police
CPS
Charges, evidence, transcripts, statements, disclosures
Requests, statement
Case details
Charges, statements, evidence, applications, questionnaires
Alerts, questionnaires, lists, results, outcomes, directions
Statements
Victim statement Information
Witness Care Unit
Witness info, spec. measures
Witness Service
Victims and Witnessess
Hearing date
Special requirements
Applications
Victim Support (funding)
Grants
Bail decisions, alerts, payments
NACRO
CICA
Notifications
Criminal records, investigation data, outstanding warrants
Results, lists, outcomes, directions, warrants
??
Prison Escort & Custody Service
Statements, bail appl.
Investigate, arrest
prisoner - category, location, numbers, date
Alerts, notifications. lists, results
Magistrates Court
Case files
Results
CSA
Enforcement enquiries, case files
Results of enquiries
DWP
Case files
Results
HMRC
Case files
Results
TVLO
NDPBs incl PGO, CCRC & other agencies
Case record, diaries, criminal records, pre-sentence reports
Results, outcomes, directions, warrants, resource bookings, orders, case notes
Magistrates
Account details
Payments details
BACS
Account details
Payments details
Clearing Banks
Family Proceedings Information
County Court
Case record, diaries, resources, financials, admin.
Transcripts, receipts, completed forms, returns, bookings, case status, registrations/reception
Court Staff
Committals, appeals, PDH cases, results
Referrals, lists, results, LACO
Crown Court

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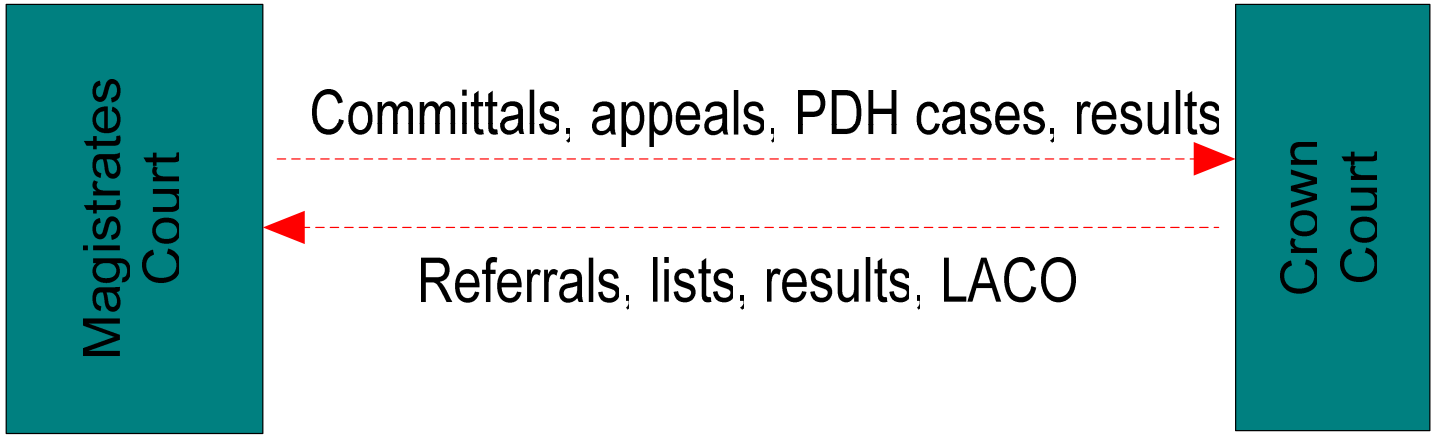
Rapid Enterprise Architecture Delivery

- Manual process fully automated
- Solution produced from existing assets
- Time to market < 12 months
- EA driven effort in less than 6 weeks
- Large business benefit with very little expenditure



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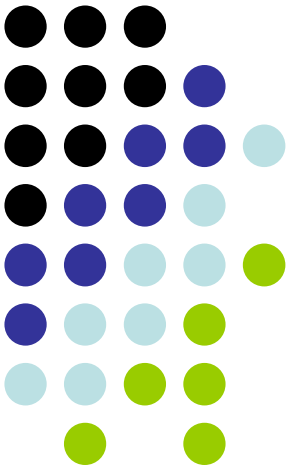
Benefits led programmes

DCA: Criminal Courts EA

- Automation and digitisation of data flow between Magistrates & Crown Courts
  - **How:** Use CJSE and enhance existing Case Mgmt Systems
  - **Benefit/Annual Cost Savings:** £5 million
- Extend lifespan of Crown Court legacy systems
  - **How:** Defining a series of SOA based technical architecture options prolonging life span of existing legacy systems
  - **Benefit/Annual Cost Savings:** £3 million
- Single Case Management System
  - **How:** Developing various options around the combining of Magistrates and Crown Court systems into a single application
  - **Target Projected Annual Cost Savings:** £30 million



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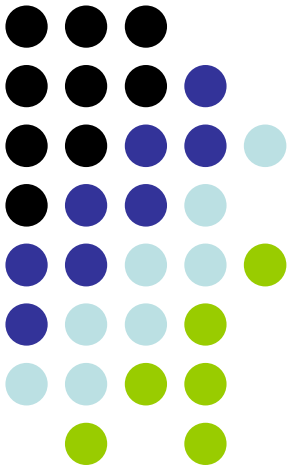
How we can help you

- Professional services company offering independent advice, support and leadership of Enterprise Architecture & Strategy.
- Additional consulting service lines include:
  - IS/IT Transformation
  - IS/ICT Strategy Development & Planning
  - SOA Consulting
  - Business Process Improvement/Re-engineering
- Group of certified TOGAF associates each with specific subject matter expertise.
- Company Presence: Offices in UK and Jordan.
- web: www.enterprisearchitects.eu