Intelligent Automation (IA)

A critical component of Business Transformation

Technology Summit 2019 May 13, 2019

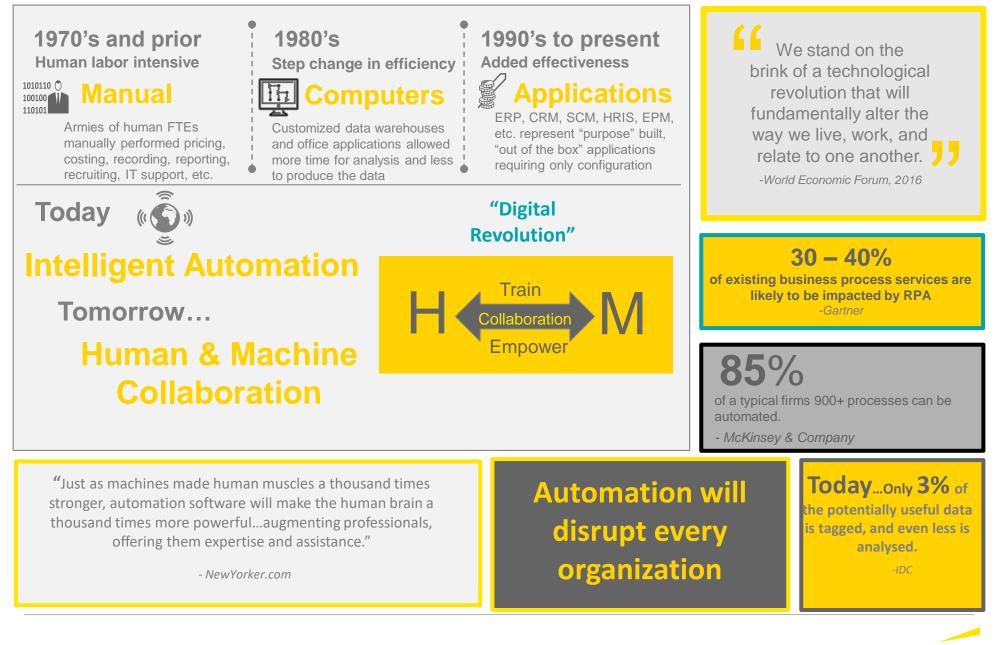


- 1 Introductions
- 2 Intelligent Automation (IA) overview
- **3** What State of Georgia is doing
- 4 Why you should be looking at it now
- 5 Implementation considerations



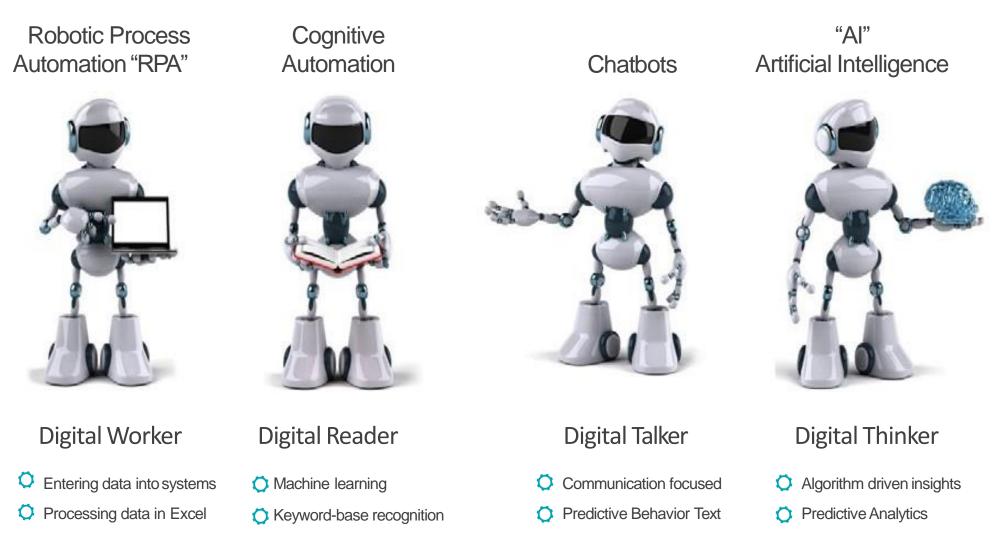
Automation is revolutionizing "work"...but is only the beginning

Organizations are becoming more "efficient" as they use automation to *"do things differently*" but breakthrough performance will be achieved by using "intelligence" to *"do different things"…*



Components of Intelligent Automation

Meet the Digital team



- O Sending emails
- Comparing data sets
- O Unstructured to structured translation
- Conversational Voice



O Big Data focused

Intelligent automation

Human resources Blue Prism software

Alan

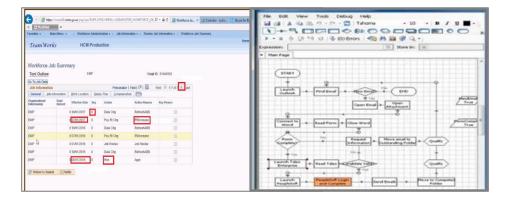
EY demonstration – Employee onboarding

Return on time:138 minute process reduced to 3 Return on quality: 100% accuracy Return on experience: Increased new hire satisfaction Return on risk: all steps completed timely

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GA case study – Employment Verification

Return on time: 60 minute process reduced to 4 Return on quality: 100% accuracy Return on experience: Rapid cycle time, 100% coverage Return on risk: Structured intake template with validations



Digital worker

- Emails new hire to complete the New Joiner Form
- Upon receipt realizes it needs more information
- Once received again, it verifies all information
- Sets up new employee in enterprise systems Performance Management and PeopleSoft
- Sends out emails to Security, Payroll, Training, and facilities to set up the new employee

Digital worker

- Performs quality checks on the intake form
- Encrypts the private information
- Accesses enterprise systems such as Peoplesoft to loop through requested fields
- Creates Word and PDF results for process owner to review
- Updates status report on progress and productivity



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Intelligent Automation at the State of Georgia

Actions we are taking to save hours and refocus our efforts

1 Strategy & Planning	2 Alignment & Governance	Process Lifecycle	4 Technology Development	5 Ongoing Management
1 Program Departs 5 Shorth division 5 Device Infrared 2 Device Infrared 2 Device Infrared 2 Device Infrared 2 Device Information 2 Device Information 4 Device Information 5 Device Informati	1.1 Sincheler & Charge Wessperieft - Starbeit Agyrent - Starbeit Agyrent - Barbeit Agyren - Barbei	11 Ogenstanty desident 1 Anno 1 Anno	4.1 Subdit estetion 4.2 Agent August State of the second state o	E Day Constraints

Operating Model

Governance and Process

- Strategy and Planning
- Alignment and Governance
- Process Lifecycle
- Technology Development
- Ongoing Management
- Raised awareness of the program

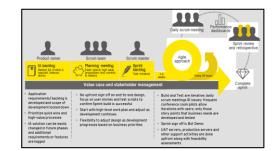
• Dozens of use cases

Opportunity

Assessment

Unlock Hours

- Prioritized pipeline
- Opportunity roadmap
- Activated champions



Automation Delivery Creating a Digital Workforce

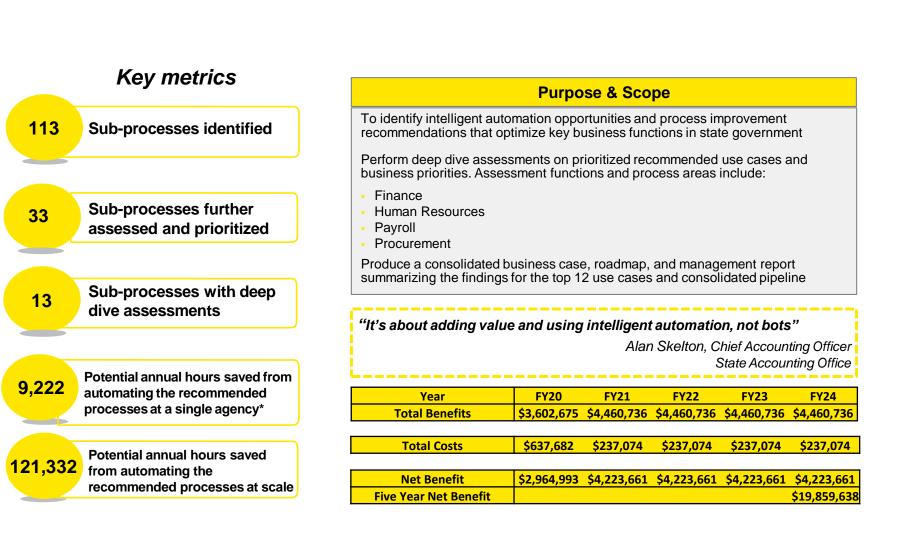
- Shifting energy to development
- Building new capabilities
- Focusing on pipeline build



Intelligent Automation Opportunity Assessment Results

Alan

Executive Summary



*Agencies interviewed include SAO, DOAS, DOL, DOC, and TCSG



Top prioritized use cases

Our findings below meet the qualified criteria for Intelligent Automation including rules based, repetitive, and deterministic in nature

#	Function	Process Name	Issues and Challenges
1	Human Resources	Applicant Screening	This process is time consuming and cannot always accurately identify qualified candidates
2	Human Resources	Onboarding Data Reconciliation	This process requires end-to-end manual interactions. As a result, there is a risk of errors associated with time for correction taken from other activities.
3	Human Resources	Employment Verification	This process solely relies on manual interactions. Due to the high volume and extra time associated with manual interactions, the team is unable to fully allocate their time to providing HR services to the state
4	Payroll	SHBP Reconciliation	This process solely relies on manual interactions. Due to the extra time associated with manual interactions, the team is unable to fully allocate their time to capturing revenue for the agency.
5	Payroll	Parking Reconciliation	This process solely relies on manual interactions. Due to the extra time associated with manual interactions, the team is unable to fully allocate their time to capturing revenue for the agency.
6	Payroll	941 Quarterly Tax Reconciliation and Reporting	This process solely relies on manual interactions. Due to the extra time associated with manual interactions, the team is unable to fully allocate their time to capturing revenue for the agency.
7	Payroll	Labor Release and Validation	This is a very time consuming process that requires manual entries and various communication exchanges, which results to extended periods of lag time.
8	Finance	Airplus Billing and Payments	The process is highly manual and requires dedicated focus for two full business weeks each month
9	Finance	CTAS Bank Reconciliation	There is significant manual interaction needed to perform this process with room for manual error
10	Finance	Verizon Invoice Processing and Payments	The process is repetitive, time consuming, and requires pulling information for multiple data fields
11	Procurement	Hosted Catalogue Refreshes and Expirations Notifications	This is a time consuming process that requires many email communication exchanges between stakeholders. In addition, the risk associated with an expired contract results to a loss of incoming cashflow/revenue.
12	Procurement	Real-Time Quality Review and Flagging of Open POs	Due to large volume of POs that are untouched after being created and the inability to track these efficiently and in real-time, the Agency experiences challenges and delays to capitalize on capturing refunds/revenue.
13	Procurement	PCard Reconciliation Against POs	The current process is automated, however it requires a manual interaction to initiate the program. In addition, the current process does not possess tracking mechanisms for management visibility and reporting purposes.



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Why this is a top priority at the state level

What is the value to you?



Problem:

We must challenge the 'what' in our operations in order to improve our business with the state and serve the public better



Solution:

Create a Digital Workforce to further enable our people

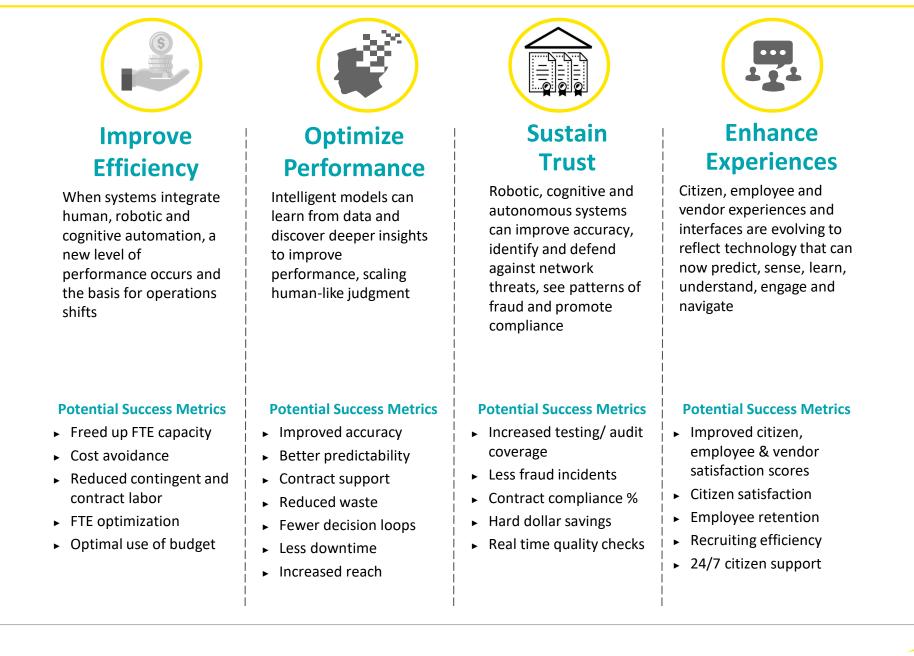


- ✓ Reduce Risk
- ✓ Enable scalability
- ✓ Improve service delivery
- ✓ Plan for the uncertain future



Measuring success

We expect measurement by many "mission outcomes" across the state



State Themes and "Hot Spots"

There are many areas where Intelligent Automation is making an impact at the State level

State themes

- High level of autonomy
- Pockets of shared service-like approaches
- Scalable processes across agencies / institutions
- ▶ 'We are more similar than we think'
- ► Very manual and paper based
- Low resistance to 'give the work up'

"Intelligent Automation Hot Spots"

Finance and Accounting

- Account / Bank reconciliation
- Data Validation
- Recurring invoices and billing
- Payroll
- Reporting

Human Resources

- Recruiting and resume screening
- Onboarding and offboarding
- Employee registration and validation
- Policy reviews
- Timesheet validation and follow up

Call Centers

- New citizen or customer setup
- Collating Agency-specific information
- Desktop agents
- Chatbots

Procurement

- Contract management and set up
- Buy versus spend analysis
- ▶ PO and Requisition creation / audit
- Strategic Sourcing / Event Sourcing
- PCard set up and maintenance

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IA Lessons Learned and Guiding Principles

Organizations that have achieved significant benefits have learned what it takes to be successful



Guiding Principle

Focus on purpose and business issues first

Building a "**program**" that activates multiple functions and Business Units (BUs) around a common purpose and set of success metrics, is the best method to scale and achieve significant benefits

While process standards and maturity impact Intelligent Automation potential, there are typically significant benefits realized

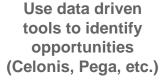


Guiding Principle Plan for process and organizational change



To ensure automation *efforts lead to real improvement*, it is necessary to evaluate and manage organizational and process changes required to roles, responsibilities and reporting structures

Understand current state "spans & layers" (PAS Talent Hub tool)



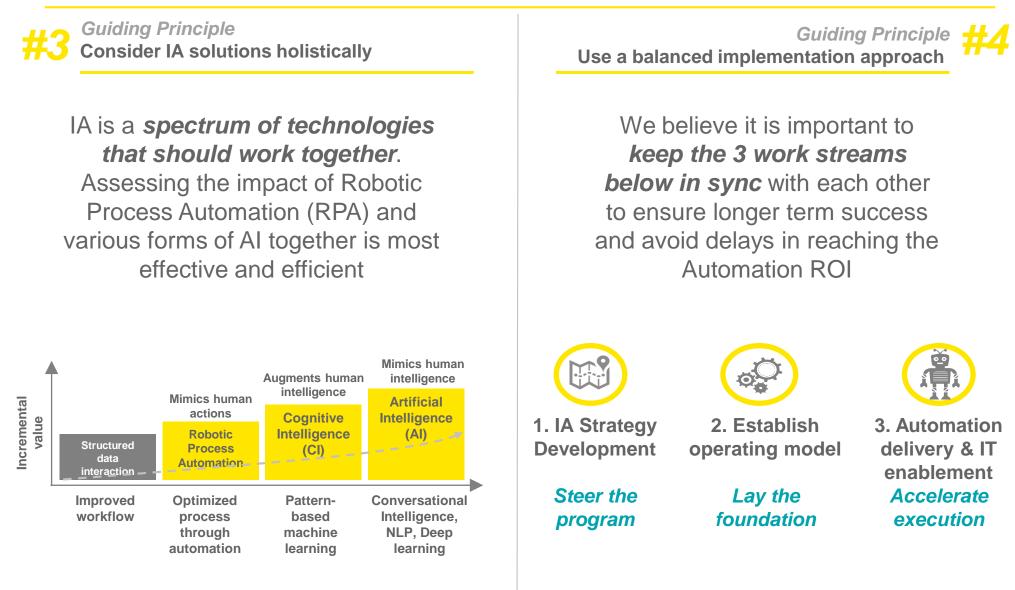
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0%	251 67	Engineering/Technology	677 251	6%
8%	23.2 31.4	Services	40.8 24.8	10%
10%	25.4 27.4	Sales	21.2 26.7	11%
18%	38.7 25.8	Finance	22.7 31.3	20%
8%	98.7 52.8	Menufacturing	22.3 19.5	13%
2%	18.4 4.7	Project Management	-4.7 16.2	2%
10%	8.8 55.2	Sourcing	12.0 10.3	12%
18%	8.7 0	Human Resources	E4 8.7	20%
18%	4.3 1.1	Product Management	10.0 4.8	20%
13%	3.9 2.6	Legal	2.8 +	14%
4%	28 1.5	Quality	43 83	14%
0%	1.5	EAHS	3.5	0%
1%	2.7 0.7	Digital Technology	87 27	1%
0%	3.4	Dusiness Menagement	3.4	0%
0%	2.1	Other	21	0%
0%	1.0	Marketing	1.8	0%
5%	24	Logistics	7 2	7%
- 1	582.4 175	Total Savings	254.2 526.4	
	Organiz	ational redesign P	rocess automation	

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IA Lessons Learned and Guiding Principles continued

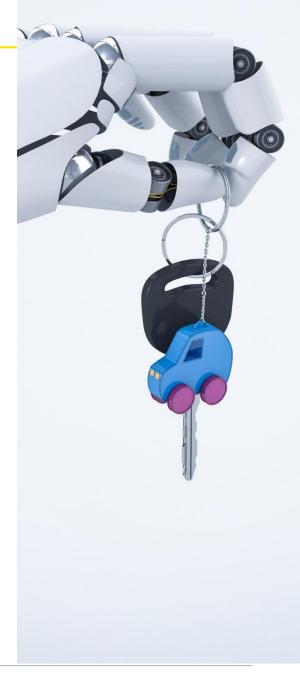
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Aaron

Closing thoughts...





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