ADASTRA

Adastra Education Offers

Fueling education with trusted insights.

David Hamilton / Kevin Harmer

About Adastra

Adastra Microsoft Partnership

Adastra: Go-To Partner for Data & AI

Microsoft IMPACT Award Recipient:

- 2021 Analytics Impact Award
- 2021 AI Impact Award
- 2021 Data Platform Modernization Award
- 2020 / 2019 Commercial Partner of the Year
- 2019 Manufacturing Innovation Impact Award

Azure Migration Partner

Advanced Specialization for Analytics

Advanced Specialization for Windows / SQL Server Migration to Azure

Lead Canadian Partner for Synapse Migration / Implementation

Product Team Collaboration for Azure Synapse / Azure Purview / Azure Databricks

Our Education Azure Customers

McMaster University

Université Concordia University

HUMBER

York Region District School Board

UNIVERSITY of GUELPH

LCI EDUCATION NETWORK

UNIVERSITY OF CALGARY

SAIT

UNIVERSITY OF WATERLOO

The Opportunity for BI In Education

Elevated Student Experience

Leverage actionable insights to help influence student performance, graduation rates, curriculum, and more.

Improved Regulatory Efficacy

Accurate and trusted reporting, adhering to regulatory requirements and funding opportunities.

Efficiency and Productivity

Make better decisions, faster with accessible and actionable insights.

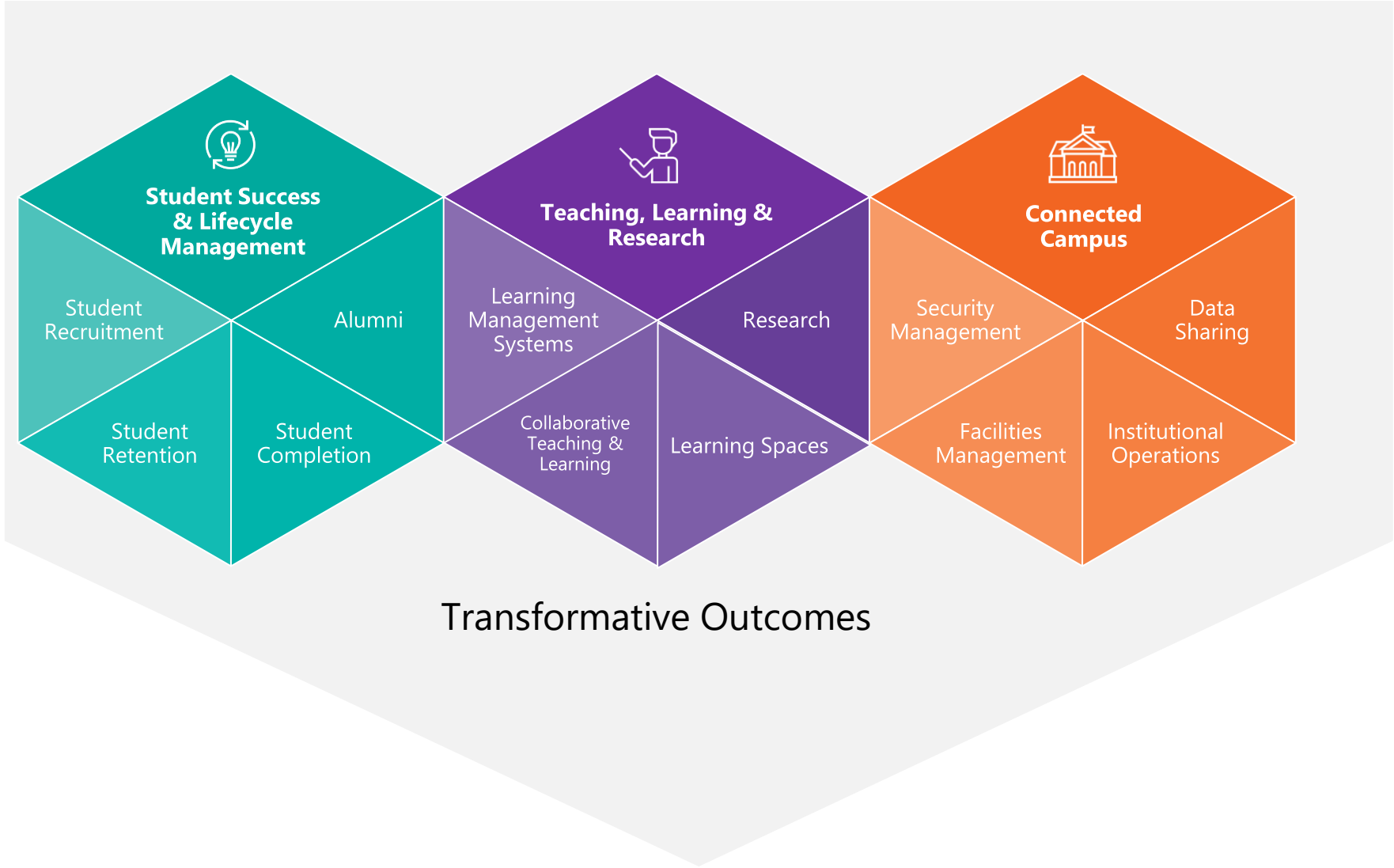
Barriers To Success

- Data is in silos
- Lack of visibility and transparency
- Platform accessibility is a bottle neck
- Decision makers are not connected to their data
- Extracting insights is a long and tenuous process
- Educators are not collaborating with the same processes or insights

Education Transformation Framework

Adastra's Education Transformation Framework enables a strategy for digital transformation; supporting new approaches to:

- Manage student success & lifecycle
- Modernize teaching and learning
- Provide efficient and effective physical and digital infrastructure



Concordia Transformation Success, In Their Words

Successful Proof of Concepts in October '21

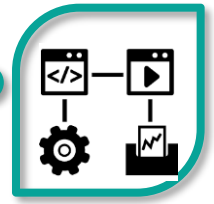
4-week Proof of Concept

- Microsoft has advised and helped us to plan and elaborate the concept of a Modern Institutional Analytics Solution
- Adastra has assigned a project team to analyze, develop and deploy 4 end to end use cases including one about predictive analytics

MVA – review and approved by IT in Aug '21

Solution Architecture

- Adastra has supported and coached the Concordia team in the design of the solution
- Adastra has developed the security architecture of the solution
- Microsoft has validated our architecture including the alignment with their analytic services roadmap



Deployment completed in October 2021

Foundation Implementation

- Adastra team has significantly contributed to the deployment and the cookbook to manage our analytics solution

FTE dashboard to be released end of Jan 22
2 other dashboards are under way

Analytics Use Cases

- Adastra team is actively involved in the design, development and implementation of our first dashboards
  - Senior Advisors
  - Data modeller
  - ETL Senior Designer
  - ETL Developer
- Microsoft still involved in the validation and support of the development team

Since day minus 1, Adastra and Microsoft have been valuable partners and committed to our success !

Université Concordia University

Adastra Education Solutions

Education Marketing Efficacy
Student Analytics Sandbox
Data Sharing for Academic Research
Universal Identity Management
Noodle on Azure

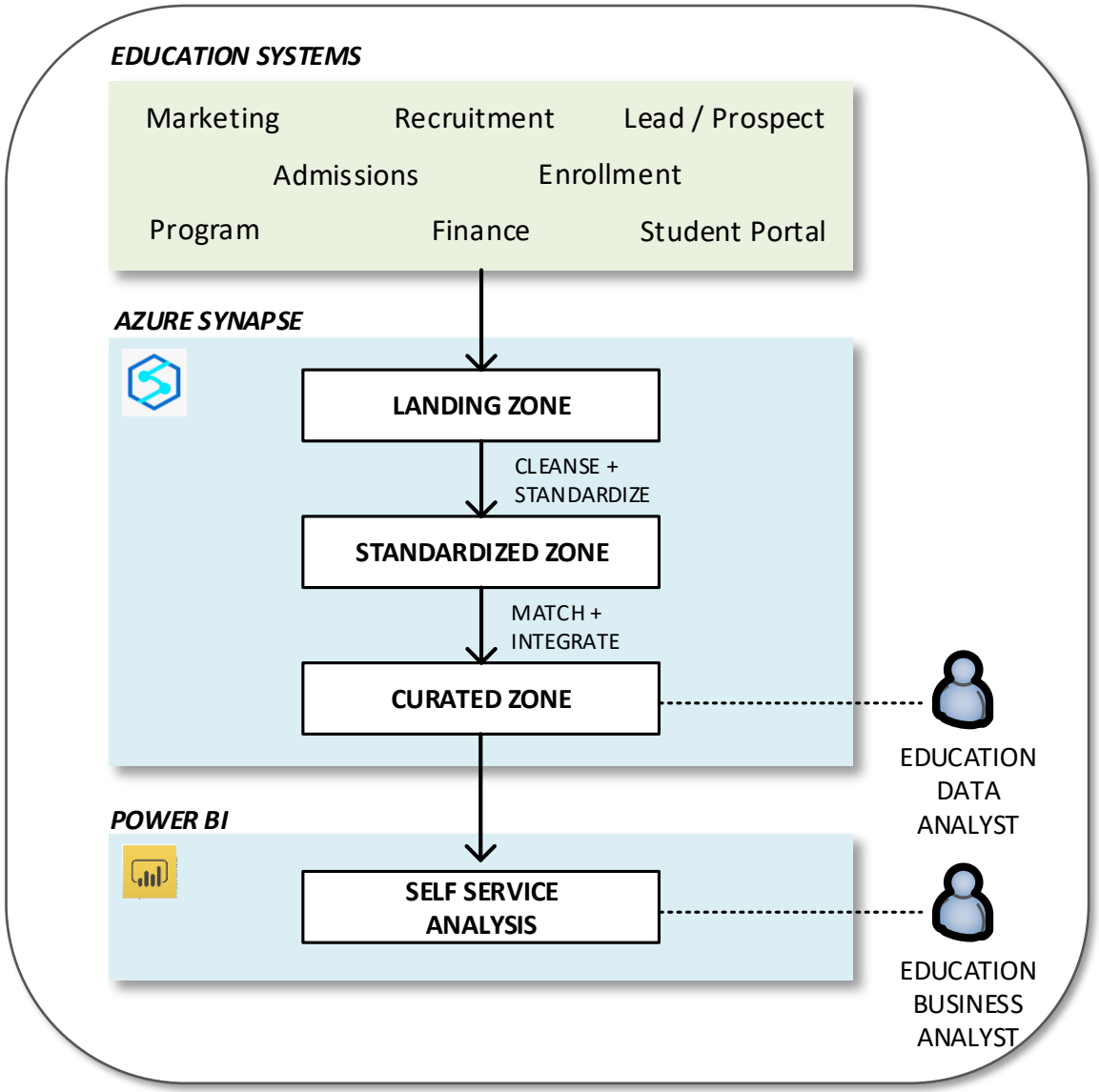
Education Marketing Efficacy

To ensure optimal returns from marketing investments, education organizations require new insights regarding campaign effectiveness. Adastra's Marketing Efficacy solution delivers these insights.

By integrating marketing / lead / prospect data, with admission / student / program / finance data / … (from multiple systems), Adastra will connect data to answer:

- Did your marketing campaign achieve enrollment goals?
- Which omni-channel marketing technique was most successful at increasing enrollment?
- What were the direct financial benefits from each marketing campaign?
- Which education programs most benefited from the campaign?
- Did students switch enrollment to the new program targeted by the marketing campaign?
- …

Adastra's Marketing Efficacy solution is fully implemented and automated through two Microsoft cloud services; Azure Synapse and Power BI. By using these industry leading managed analytic services, your team focus's on data insights, not solution maintenance.



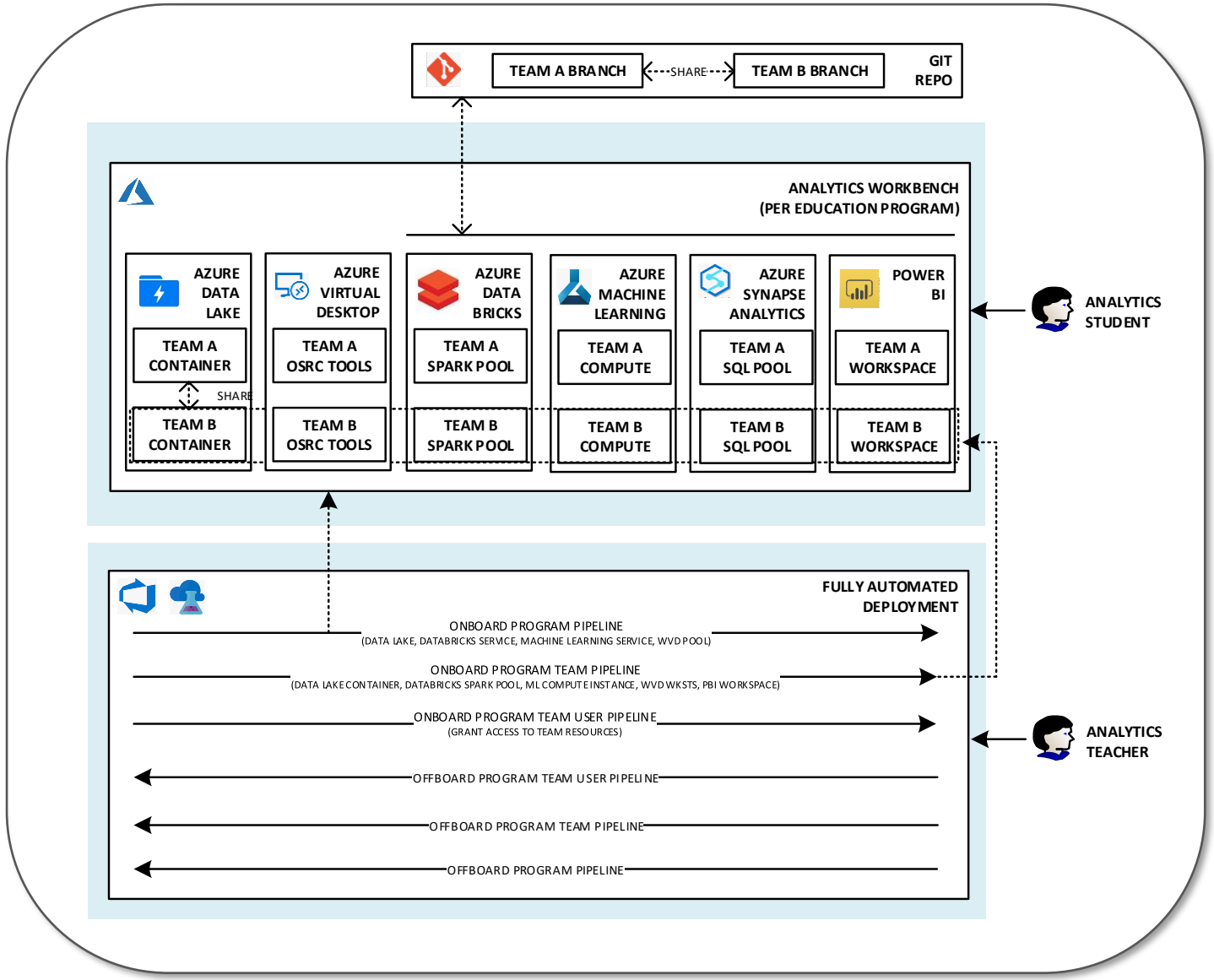
Student Analytics Sandbox

Teacher provisioning of student analytic environments can be complex and challenging. Through Adastra's Student Analytics Sandbox solution, customized analytic services are easily provisioned / deprovisioned, making adjustment to dynamic student program requirements simple and efficient.

Through Adastra's solution:

- Teachers chose which analytic services are relevant for a class
- Any Azure managed services or open source services can be implemented
- With a few simple clicks, new students are onboarded to the specific set of analytic services relevant to them

Adastra supports two form factors for Student Analytics Sandbox implementation; Azure DevTest Labs and Azure DevOps. Adastra will recommend the right form factor based on your analytics sandbox use case.



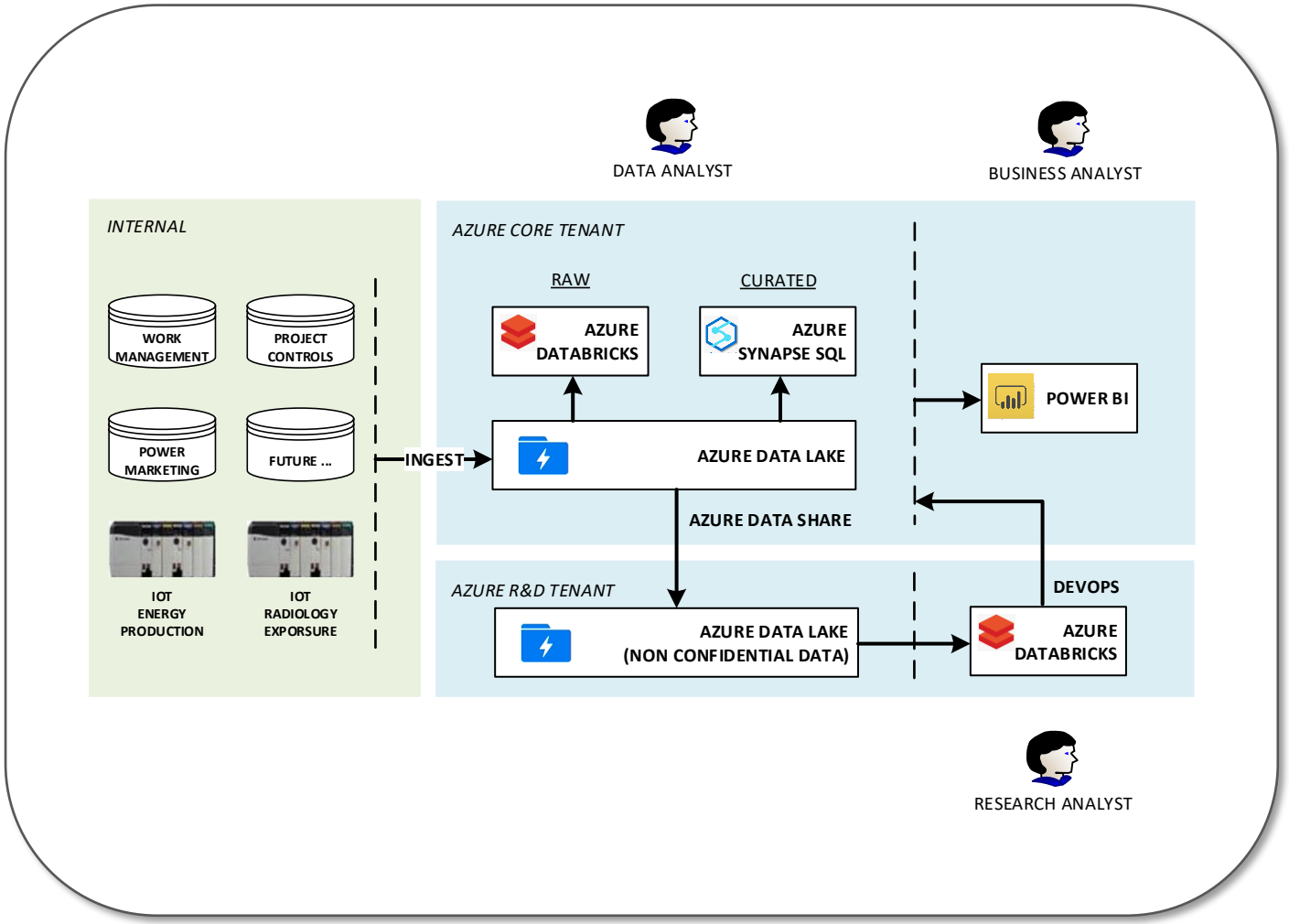
Data Sharing for Academic Research

Education / private sector partnerships enable new and innovative research / industry solutions. Through Adastra's Data Sharing for Academic Research solution, safe and secure B2B capabilities between education and private organizations are enabled.

- Essential raw data is fed from the private sector organization, to a shared research tenant in Azure
- Education researchers use the power of Azure analytics to investigate raw data, train analytic models, and identify innovative solutions
- New insights in the R&D tenant inform industry research, and optionally are sent back to the private organization to realize immediate practical benefits

Adastra's solution facilitates complete control, monitoring and management of all data sent to and from the R&D tenant, and facilitates automated onboarding / offboarding of R&D users in the R&D tenant.

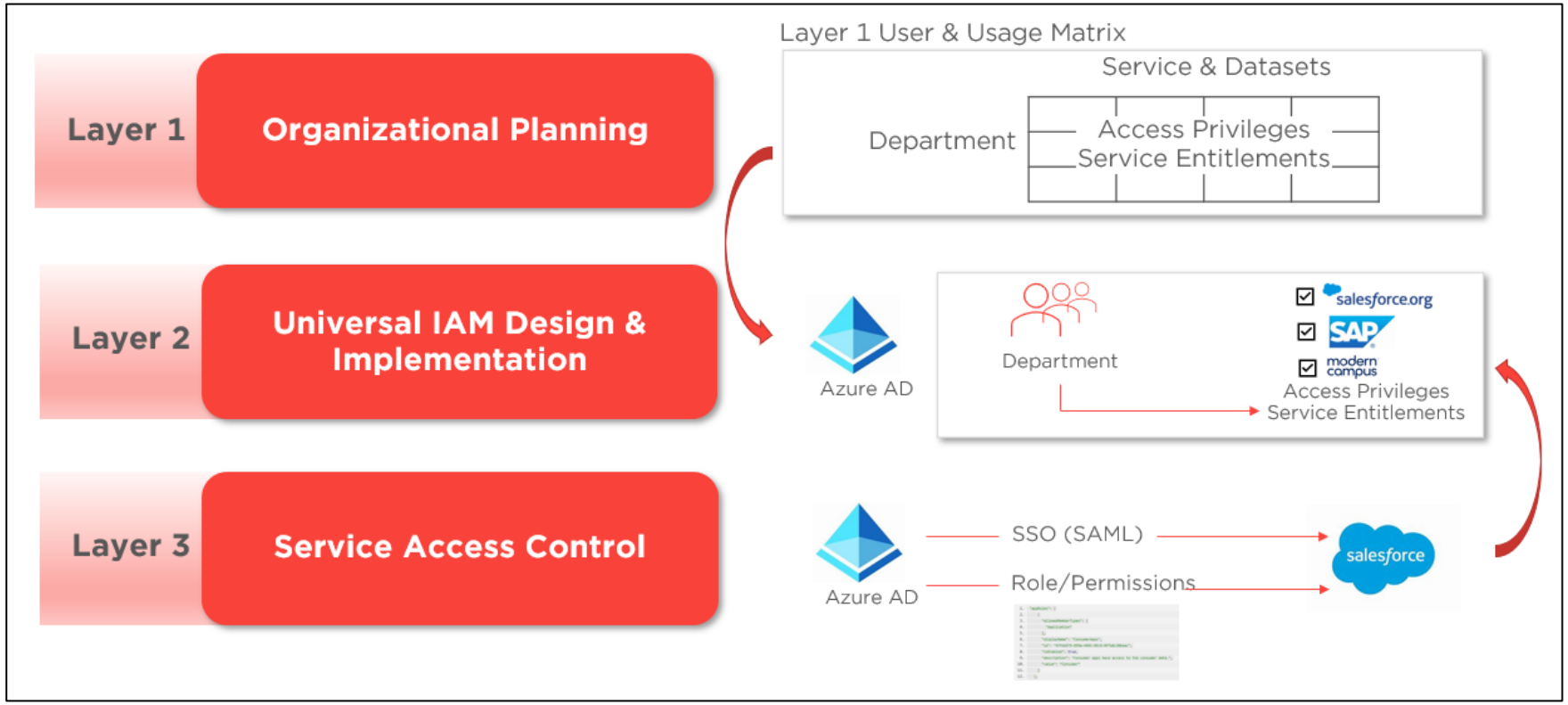
Nuclear Energy Data Sharing for Research Example



Universal Identity Management

Education organizations have many systems to manage access to; internally focused systems like CRM / ERP / HR, alongside student focused systems like Admissions, Student Portal, Classroom Portal, … A well defined and intregrated identity access management solution, aligned to value stream driven access / entitlements, is therefore critical.

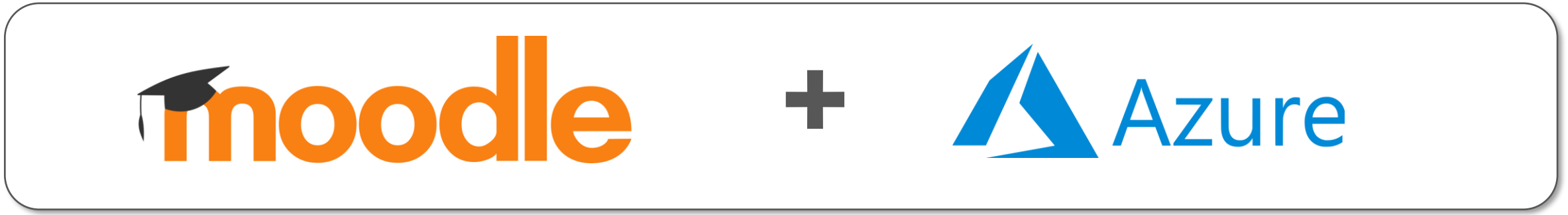
Through Adastra's Universal Identity Management solution, and our three layer approach, a streamlined, consistent, low maintenance identity solution will be implemented, with full attestation and security controls enabled. Once Implemented, access to all systems will be centrally granted / revoked / attested / audited / monitored.



Moodle on Azure

Azure cloud deployment of Moodle open-source learning platform.

Architecture, design, planning, deployment and managed services.



Elastic & serverless infrastructure:

- ✓ Improve the student experience
- ✓ Reduce operating and capital costs

Increased availability:

- ✓ Microsoft-scale security measures
- ✓ A range of fail-over and redundancy options

Improved governance:

- ✓ Enhanced monitoring and logging
- ✓ Log and service analytics for compliance and reporting

Scaling Analytics thru Adastra ReportWorks

ReportWorks - Accelerated Delivery

ReportWorks is Adastra's design and development system for delivering Power BI reports and dashboards at scale.

Data + Idea → **ReportWorks** → **Reporting Excellence**

- Files
- Database
- Education Tools
- More...

Power BI

- Education Industry Experience
- Pre-built ReportWorks Blocks
- Scalable Delivery Pods
- BI Center of Excellence

Accelerated Delivery

Cost-responsible Delivery

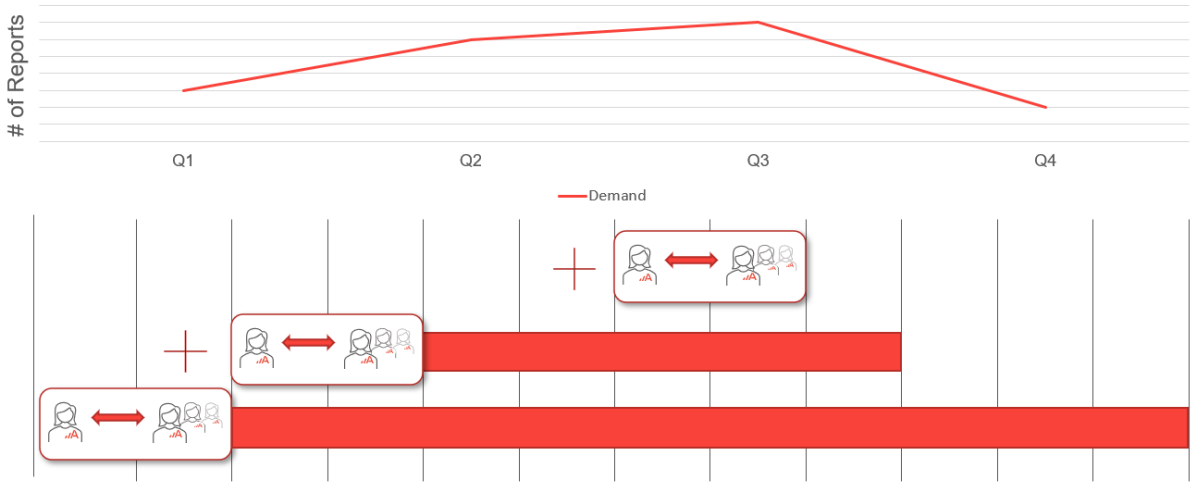
Effective Report Design

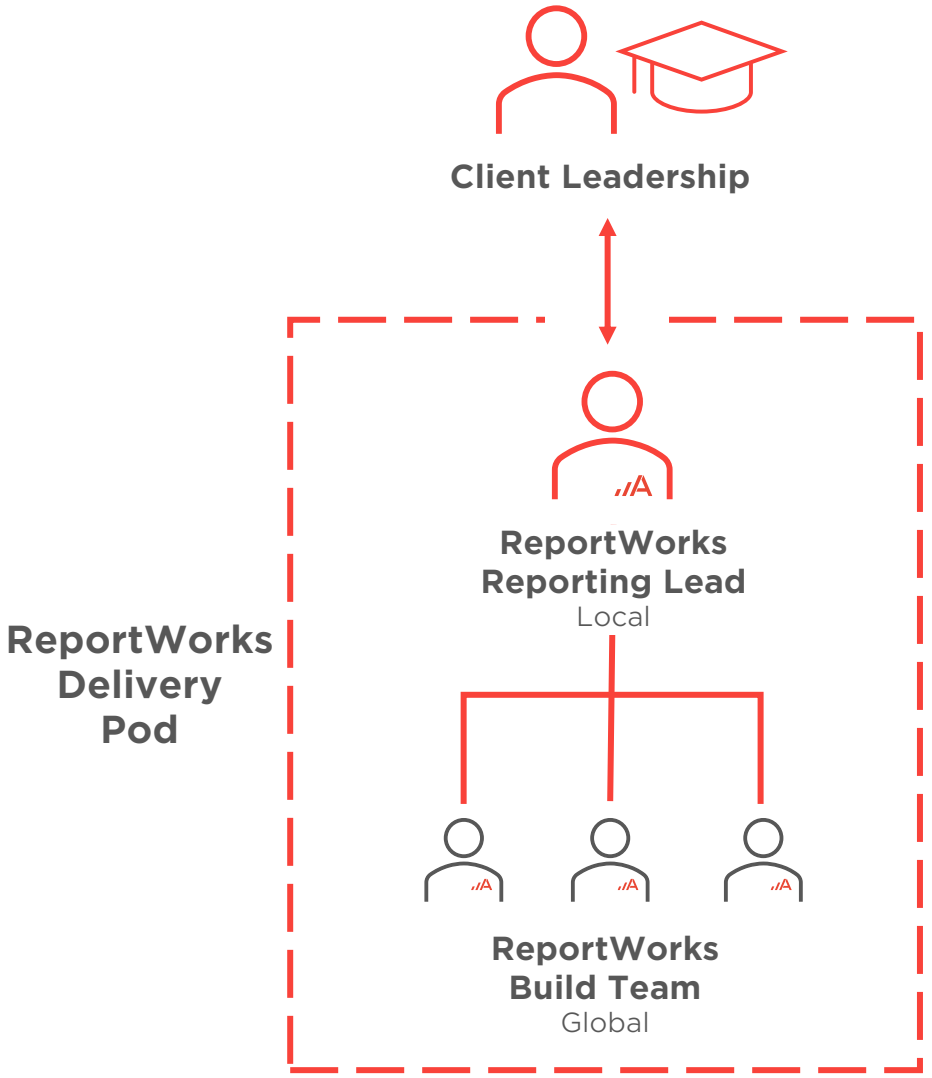
ReportWorks – Delivery Pods

Contract dedicated **ReportWorks Delivery Pods**, specialized in education, that focus on the development of your reports.

Receive an optimal mix of talent and value through our delivery pod, via local pod leadership and global pod developers.

Contract pods for monthly report cycles, with flexible scale to accommodate varying report development demands.





Adastra Education
Azure Approach

Microsoft Analytics for Education

Power BI (ReportWorks)

AI & Machine Learning

K-12

Student Success	Attendance Reporting	Capacity Planning	Recruitment
HR & Labour Relations	Facilities Analytics	Content Management	SIS Data Analysis
Student Safety	Faculty/Staff	Financial Aid	Advancement
Program Development	Regulatory Compliance	Portal Click-stream	Admissions

Post Secondary

Azure Data Platform

Classroom

SAP

salesforce.org

modern campus

blackbaud

Edsby

brightspace by D2L

PowerSchool Powering Brighter Futures

ellucian

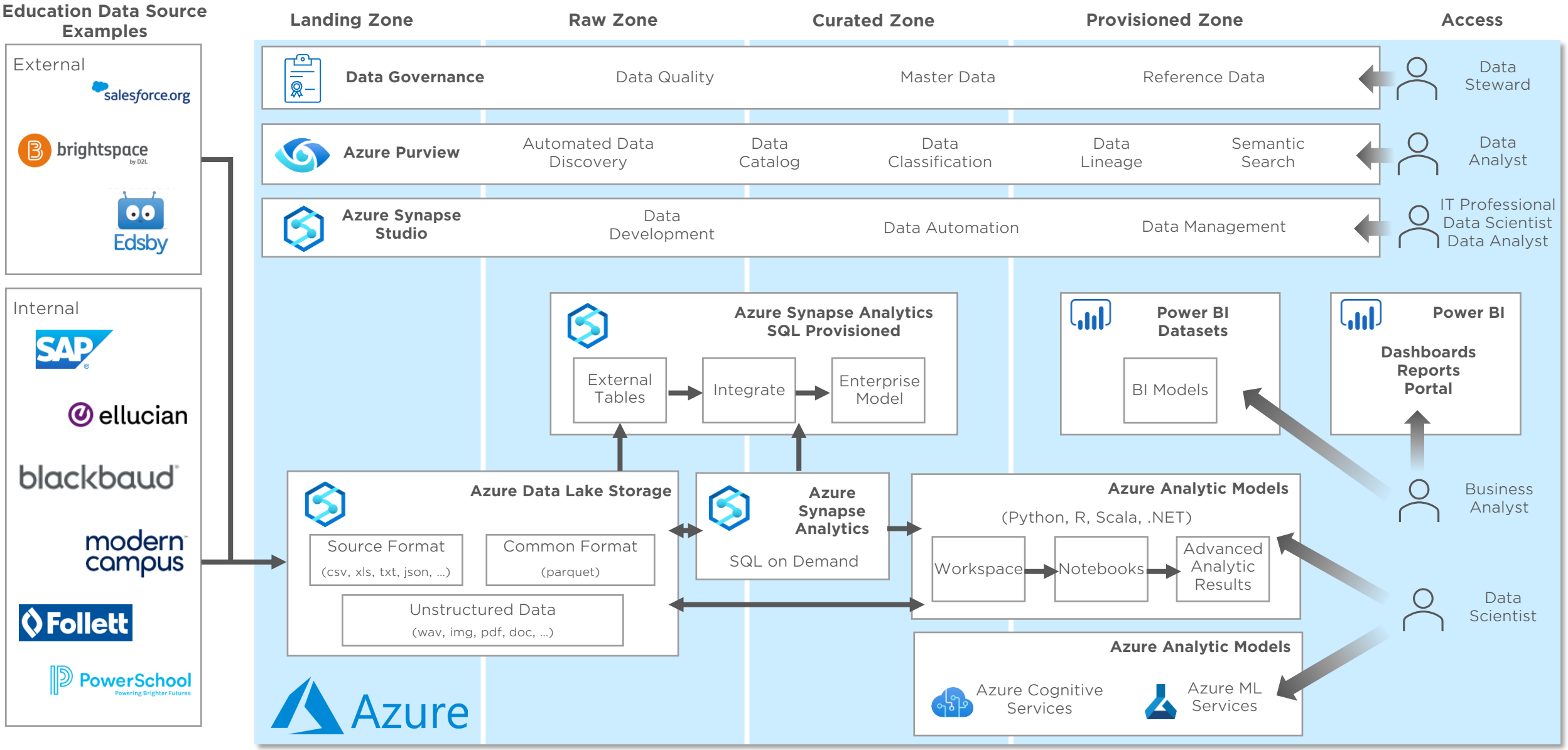
Follett

skytech communications

Azure Data Platform for Education

	Organization value		
Unmatched capabilities	Powerful visualization and reporting	Unified analytics platform	Advanced analytics ML lifecycle
Frictionless collaboration	Education BA ⟷	Education DA / Education DE Education DS	⟷ Education DS
Powerful and integrated Tooling	Power BI	Azure Synapse Analytics	Azure ML Services
Unified data	Azure Data Lake Storage		

Azure Data Platform for Education



Getting Started

15 Day Analytics Assessment

Kick-Start your journey to transformative education analytics with a select Adastra assessment.

Our no commitment offer will accelerate your Azure Analytics adoption, and will roadmap future analytics goals, by delivering a tangible design / plan / cost for your future analytic state.

- Identify future state Education analytic goals
- Assess current Analytic environment
- Design / size / cost Azure Analytic service design and network design
- Define security design for Azure Analytic environment
- Define technical governance for Azure Analytic solution
- Build Education analytics transformational roadmap / plan

ADASTRA

For Questions contact:

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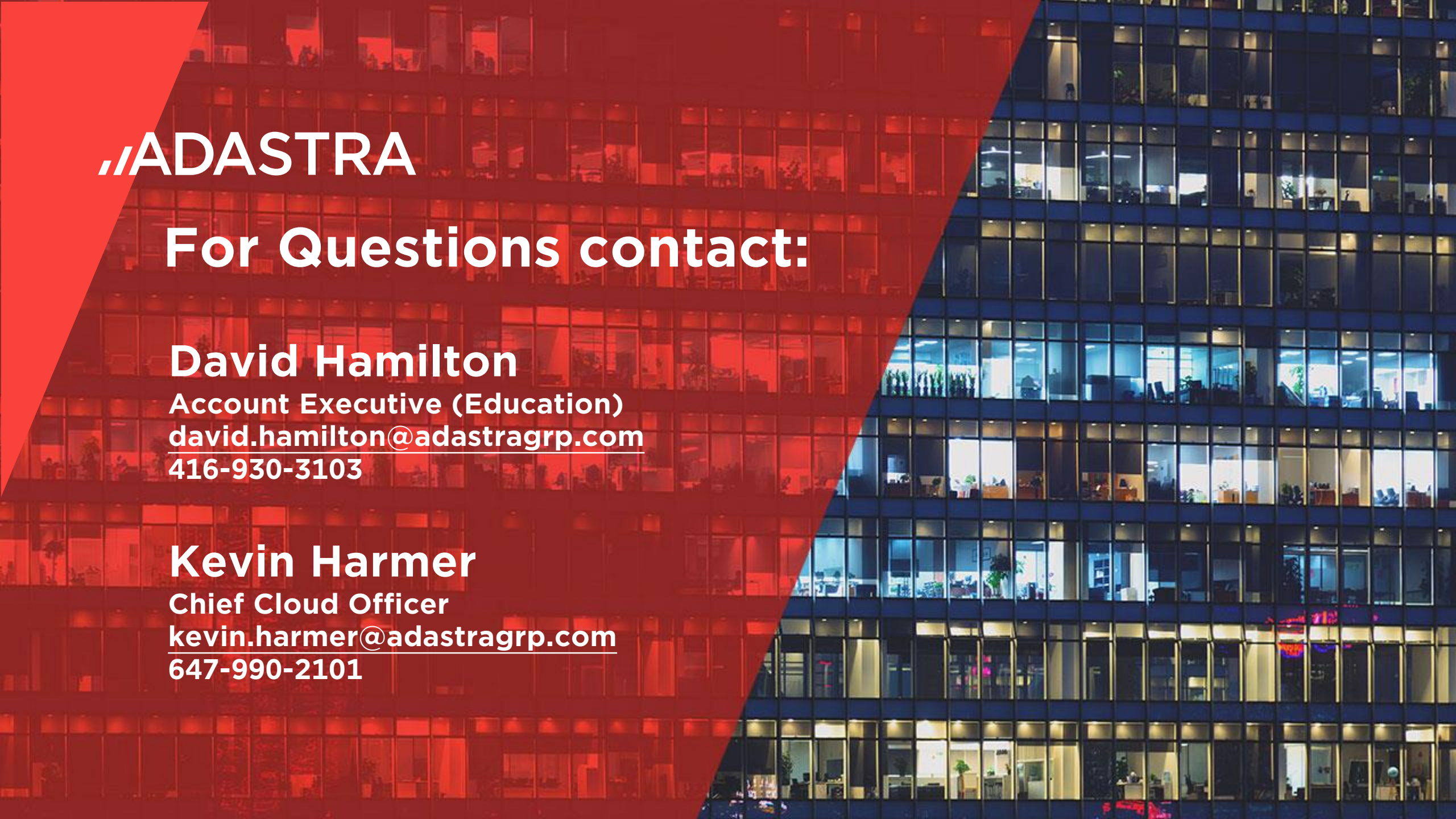
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