

The background of the image shows two hands, one from the top right and one from the bottom left, reaching towards each other. They are positioned as if about to clasp or hold each other. The hands are set against a clear blue sky with a few wispy clouds. In the foreground, there is a field of tall, golden-brown grass, slightly out of focus. The overall lighting suggests a bright, sunny day.

THINK

DIGITAL

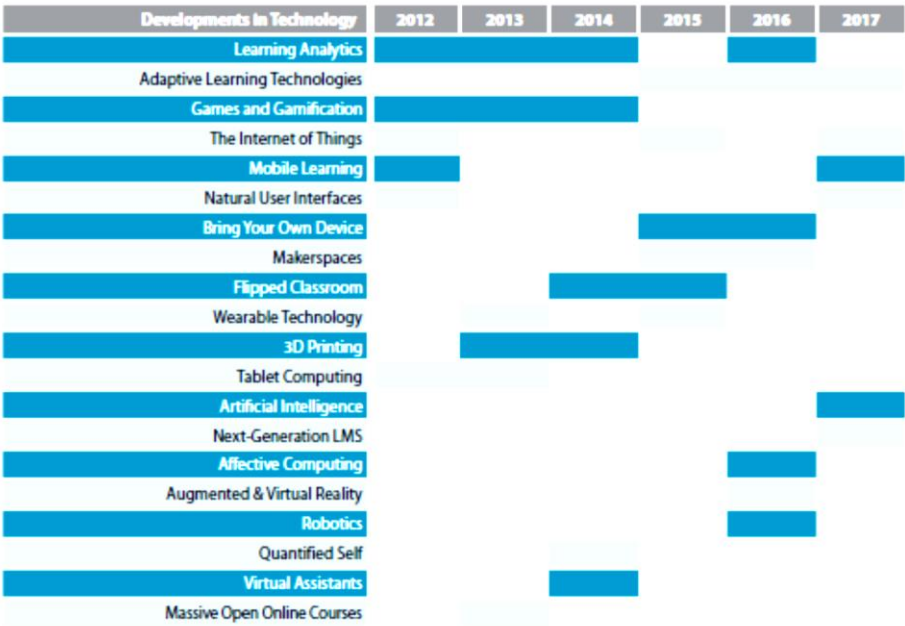
Digital Transformation in University

Evolution of Learning

A Paradigm Shift



Source: Horizon Report > 2017 Higher Education Edition

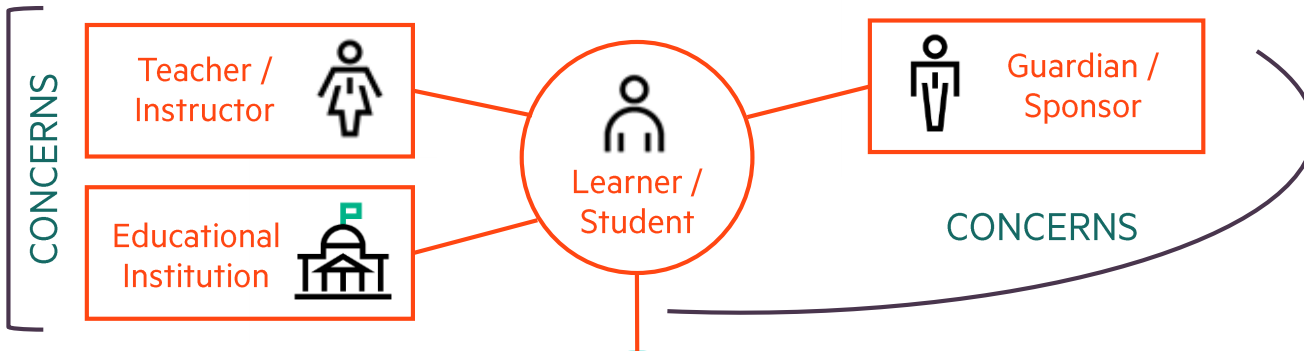


Important Developments in Technology for Higher Education



Business & Technology Trends in Education

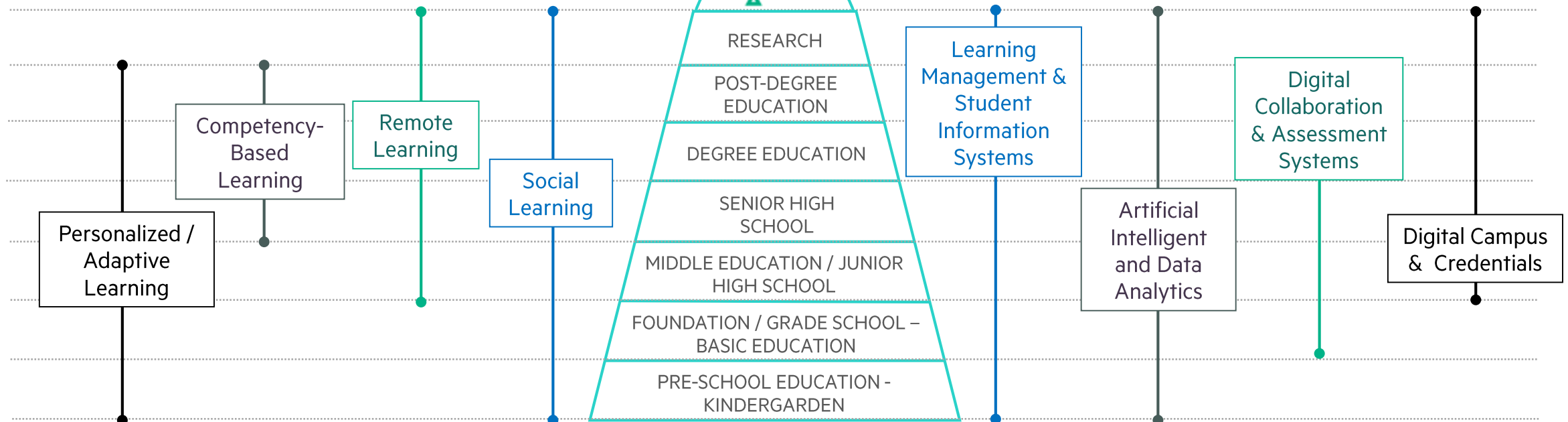
- Course / Offering Relevance & Student Retention
- Cost Containment & Revenue Diversification
- Branding / Ranking
- Compliance & Liability
- Operational Efficiency & Productivity



- Quality of Learning
- Industrial Relevance
- Privacy & Safety
- Access to Social Interactions
- Access to Recreational Activities

MAIN BUSINESS TRENDS

MAIN TECHNOLOGY TRENDS



Meeting expectations

Students



Great course

Best teaching content delivered
by excellent tutors

Best life experience

Safe, fun, easy, efficient

Job prospects

Internship and research projects
whilst in Institution, great job
afterwards

Minimum debt

Best value for money, affordable

Meeting expectations

Institution



Great students & staff

Acquire, retain and graduate great students, whilst attracting the best tutors

Innovative teaching

Multi-channel delivery / Institution as originator and keeper of knowledge

Industry Relations

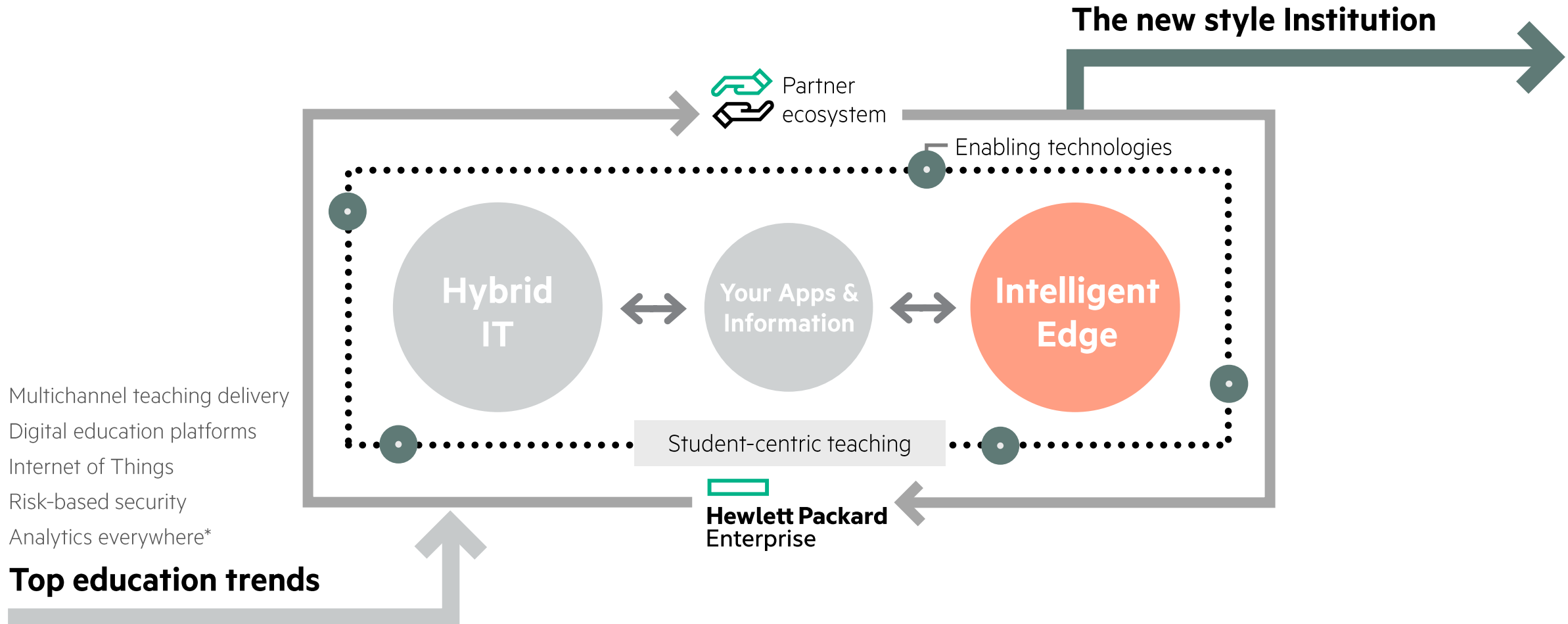
Internship / research projects / jobs for students

Consistent funding

Income from students / facilities / research funding / alumni

Digital transformation of Higher Education

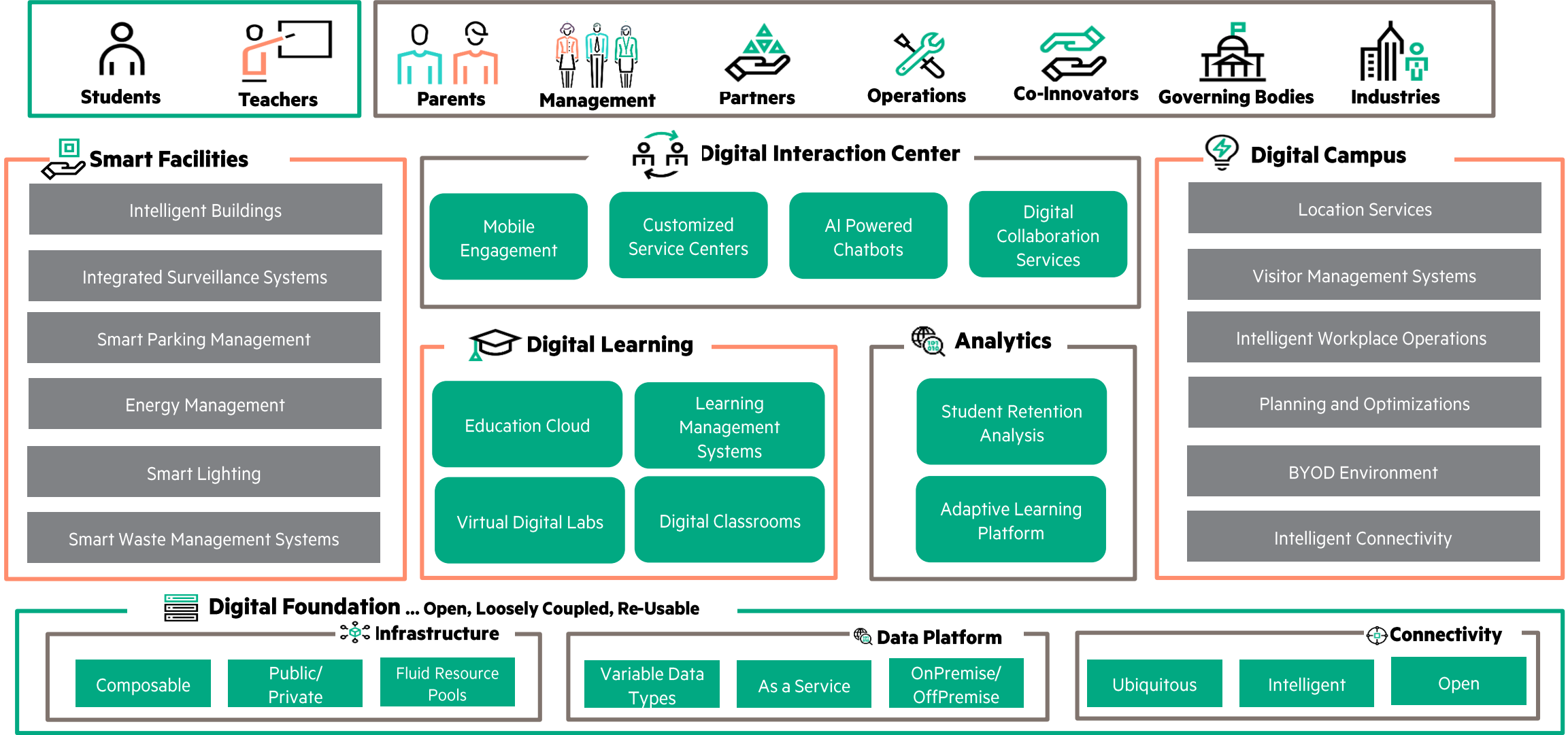
The journey to the new style of Institution



Future Smart Institution in the age of Digital Transformation



Functional Building Blocks for a Future Smart Institution





Enabling the Smart Campus

Workplace | Mobility | Connectivity | IOT

Executive Overview

Higher education is disrupted

- New ways of creating and delivering content
- Increased competition and reduced funding
- Increased expectations from Students & Staff

The Intelligent Campus

- Input from Institution CIOs, CDOs, Students & Technologists
- Using multi-industry experience – Smart Cities, Ministry of Defence, Transportation, Utilities, Communications
- Working with our partner eco-system

Aim

- To make the Institution the place to come to study & work for students and staff by using the best technology and resources
- Safe, Efficient, Rewarding, Sustainable & Fun



Imagine an Intelligent Campus that...

...senses when students/staff are on campus and provides them with relevant interactive information to help them do their jobs better!

...is 'mobile first' offering self-guided, location-based wayfinding, and personalized push-notifications

...uses virtual and augmented reality to give students a richer digital experience before or during an open day or any similar functions

...provides a platform for the students to comment on courses, lecturers, facilities, etc. and feeds back this information to management to make informed decisions

...enables the student to find special offers, comments on local services organisations, make on line bookings, to make Institution life more fulfilling

...supports Institution with student acquisition, student retention and continued alumni engagement as well as attracting the right caliber lecturers

...provides secure access to the premises of the Institution, whether a car park, a lecture theater or the halls of residence

...delivers a 'command and control center' to manage the Institution facilities effectively, efficiently and safely

...enables the Institution to record student class attendance, check for student exam process and detect internal irregularities

...uses a flexible, future proof IT infrastructure to deliver most efficient and cost effective platform for all core and student service applications

The Intelligent Campus Use Cases



**Smart
Workplace**

**Intelligent
Buildings**

**Campus
Facilities**

**Energy
Management**

**Student
Services**

**Integrated
Surveillance**

**Workplace
Services**

Transport

**Campus
Experience**

**Location
Services**

**Waste
Management**



Empower a Data Driven Institution

Data | Analytics | ML | AI

The Challenges



- The large number of students are not very confident when arriving at Institution, and tend to suffer in silence without asking for help
- Lots of data related to students lying around in silos
- Students are at increased risk of drop out when they are not fully engaged with Institution life

Therefore how could institutions:

1. Identify doubters early in the academic cycle
2. Help them to overcome their doubts through the provision of effective, timely support from tutors
3. Increase their prospects for achieving academic excellence during their study at the institution
4. Closely monitor academic performance

Use Cases for Students



- Access their own performance data as well as compare their to course and institutional averages
- Can keep track of their own learning and engagement

Use Cases for Faculty



- Quickly able to identify students who need extra help.
- Ability to drill down into missing areas of engagement /learnings

Use Cases for Administrators



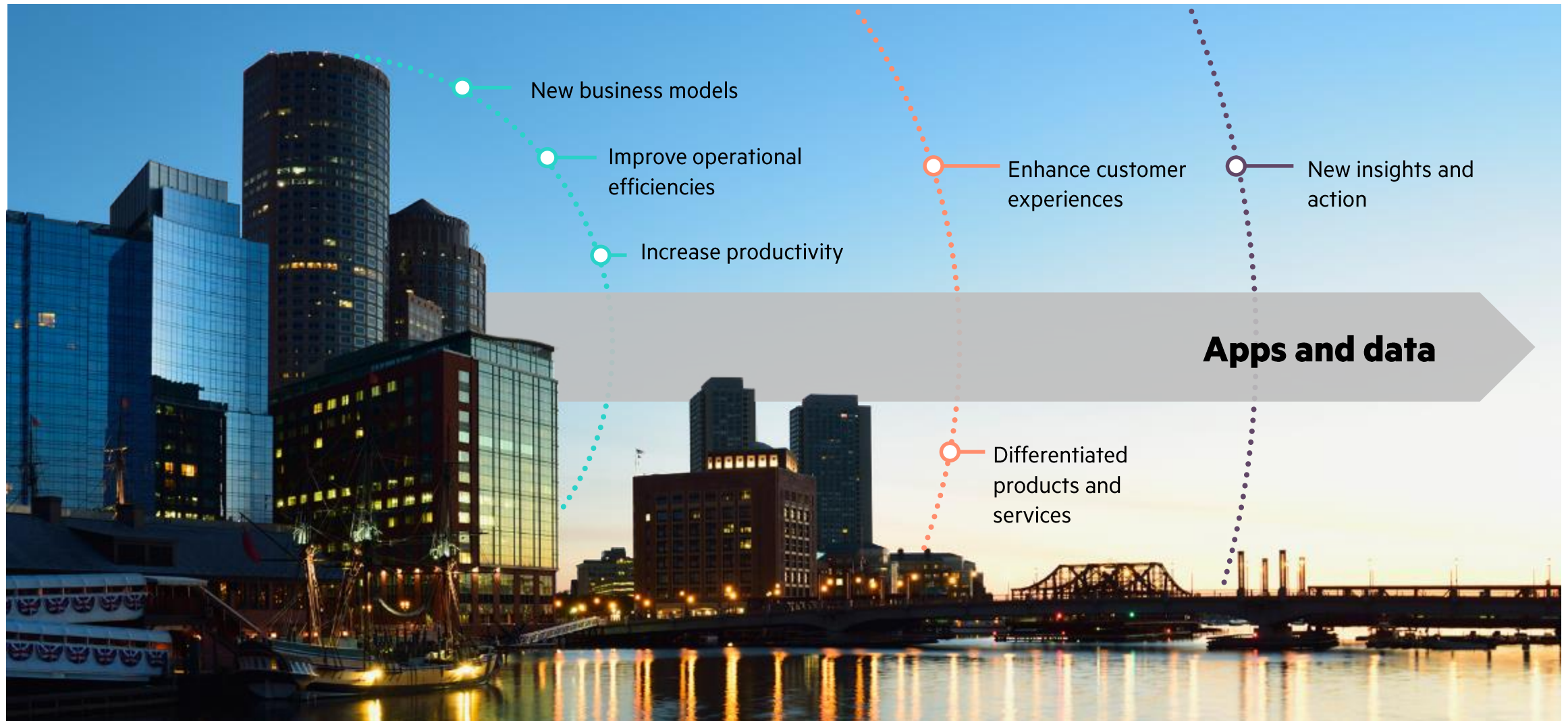
- Understand risk profiles in real time.
- Understand broad patterns of engagements
- Aids in development of standards across all faculties and departments.
- Enhance student experience



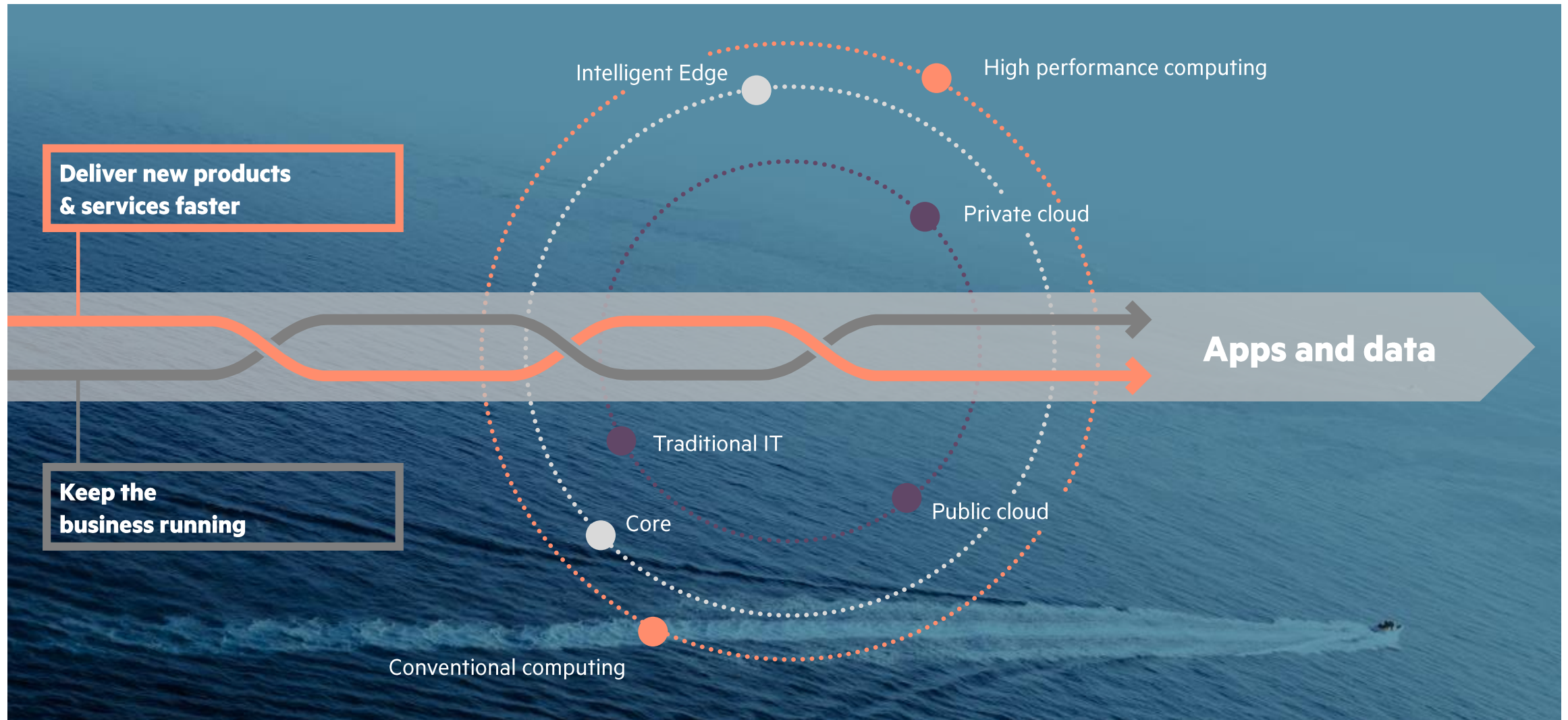
Transform to Agile IT Model

Apps | Cloud | DevOps | Data Centre

Digital Transformation is driven by a new gen apps & data at a new speed

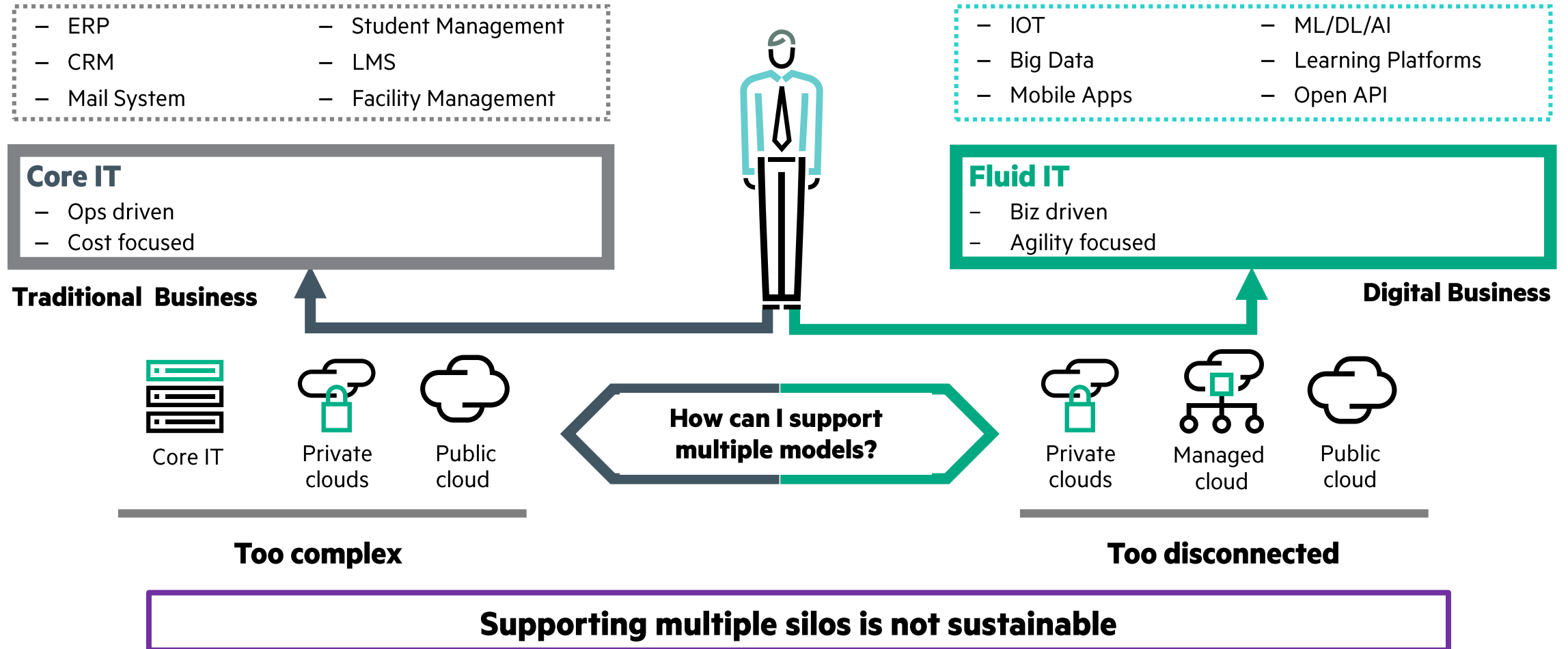


Technology plays a significant role in the digital organization



Organizations will require two contrasting styles of IT Systems

Presently, IT are stuck between control and flexibility



Applications

DevOps

Management

Infrastructure

Delivery Model

Traditional IT

Private Cloud

Managed Cloud

Public Cloud

Your Right Mix of Hybrid IT

“The capability of an **IT operating model** to strategically source and integrate services from both internal and external service providers, secured and optimized for business demand”

Thank you

