



Cisco Connected Learning Experience

Tecnologías Colaborativas

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Agenda

- Trends and technologies impacting schools
- Cisco Connected Learning Portfolios
- Teaching and Learning Experience and Case Studies
- Q&A



What is ranked as the #1 priority for schools and universities worldwide?



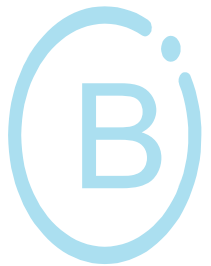
Introdução à informática
Observe a tabela e o gráfico apresentados abaixo e responda às questões.

Aplicativo	Valor médio (em reais)	Porcentagem
1) Microsoft Excel	85%	75%

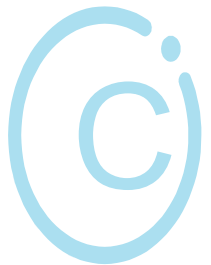




Improving learning outcomes



Increasing administration and management efficiency



Better safety and security





All are important, but improving learning outcomes is ranked as the #1 priority

Source: UNESCO, May 2015





Trends and Technologies Impacting Education

Trend 1: The Connected Generation

“ My generation draws the Internet as a cloud that connects everyone; the younger generation experiences it as oxygen that supports their digital lives.”

—posted on elearnspace.org



Trend 2: Collaboration

- The “new group work” based on Web 2.0 technologies
- Enhances inquiry and support student teaming
- Encourages interaction anywhere on or off campus
- Forms basis of social networks and online learning communities
- Impacts work styles, interdisciplinary studies, professional learning



Trend 3: Learning Without Boundaries

- Enables anytime, anywhere access to learning
- Enables specialized study
- Provides remote or rural access to greater course offerings
- Helps to address quality and staffing/resource gaps



Trend 4: Mobility

- Teaching and learning beyond the classroom on any device
- Anytime, anywhere network access indoors and outdoors
- Supports academic, administration, and social functions
- Maintain security and track assets with Wi-Fi



Trend 5: High Quality Teachers and Principals

- Attracting talent in turn around schools
- Mentoring new teachers
- Establishing standards
- Capturing/sharing best practices
- Identifying gaps and raising performance
- Rewarding results



TEACHING AND LEARNING TECHNOLOGIES



Telepresence, Web Conferencing, Social Media, Video Portal, Transcription, Lecture Capture, Search and Analytics



BLENDED, ONLINE AND DISTANCE LEARNING

LECTURE CAPTURE FLIPPED CLASSROOM

MOBILE LEARNING

COLLABORATIVE LEARNING

PROFESSIONAL DEVELOPMENT

Optimization, Management,



NETWORK FOUNDATION

Research and Education Networks
PSTN Cloud Services

Internet



Switches, Routers, Optical, Wireless

BLENDED, ONLINE AND DISTANCE LEARNING

LECTURE CAPTURE FLIPPED CLASSROOM

MOBILE LEARNING

COLLABORATIVE LEARNING

PROFESSIONAL DEVELOPMENT

Cisco Connected Learning Experience

How Do We Get There?

- WebEx
- Unified Communications with Jabber
- TelePresence
- TelePresence Synch
- Show and Share



BLENDING ONLINE AND DISTANCE LEARNING
CAPTURED CLASSROOM
FLIPPED CLASSROOM

MOBILE LEARNING

COLLABORATIVE LEARNING

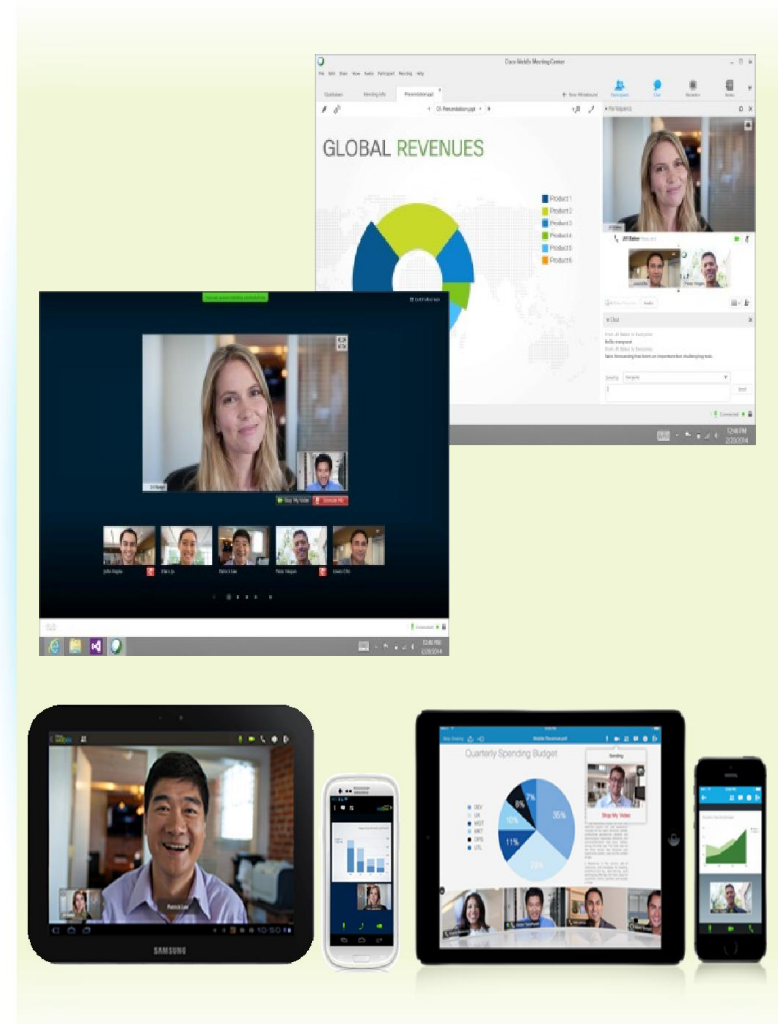
PROFESSIONAL DEVELOPMENT

Cisco Connected Learning Experience

Cisco WebEx Web Conferencing

Industry-leading Web Conferencing Solutions

- Industry-leading web conferencing
 - Audio, web, and high-definition video
 - Meeting, training, event, and support versions
- Document, application, desktop sharing
- Ad-hoc and scheduled meetings, schedule with Outlook and Lotus Notes
- Meetings recording and playback or download
- Supported on mobile devices
 - Android, iOS, Blackberry, Windows Phone 8
- Consistent, cross-platform experience
 - Windows, Mac, Linux, UNIX, Solaris
 - Available in 13 languages
- Securely delivered on demand or on premises



How Do We Get There?

- Show and Share
- Media Processing Engine (MXE)
- Pulse Analytics



BLENDED, ONLINE AND
DISTANCE LEARNING

LECTURE CAPTURE
FLIPPED CLASSROOM

MOBILE
LEARNING

COLLABORATIVE
LEARNING

PROFESSIONAL
DEVELOPMENT

Cisco Connected Learning Experience

Show and Share Consumer-Grade User Experience

WATCH VIDEO
ANYTIME,
ANYWHERE ON
ANY DEVICE



How Do We Get There?

- Cisco Unified Workspace
- BYOD Smart Solution
- VXi Smart Solution
- Wireless
- Security
- Unified Communications with Jabber



BLENDED, ONLINE AND
DISTANCE LEARNING

LECTURE CAPTURE
FLIPPED CLASSROOM

MOBILE
LEARNING

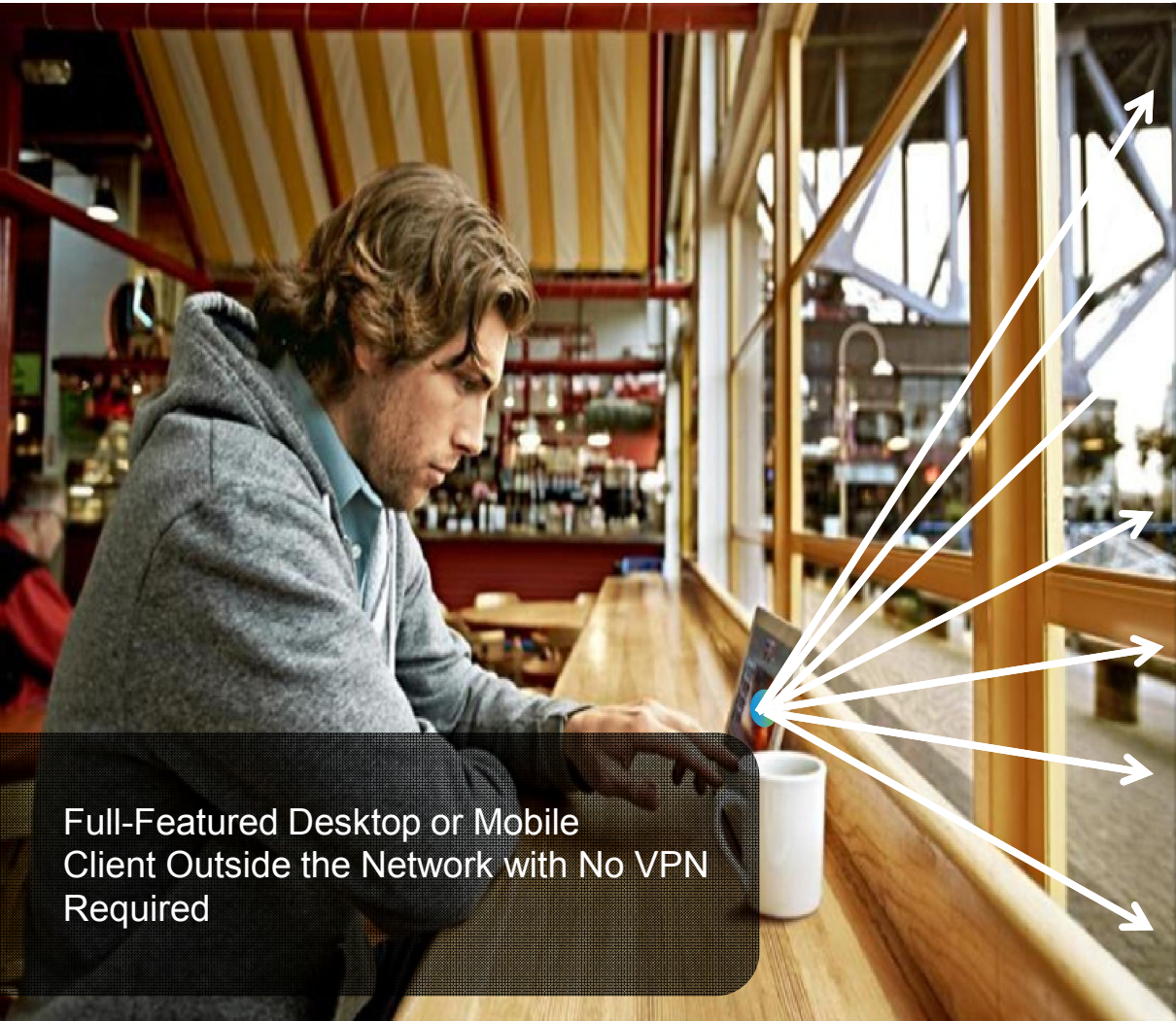
COLLABORATIVE
LEARNING

PROFESSIONAL
DEVELOPMENT

Cisco Connected Learning Experience

Cisco Jabber

Collaborate as Easily Outside the Network as Inside with Cisco Jabber



Full-Featured Desktop or Mobile Client Outside the Network with No VPN Required



Use Cisco WebEx®



Share content



Make video calls



Make voice calls



Access visual voicemail



Use IM and presence



Search corporate directory

How Do We Get There?

My View

- WebEx
- Unified Communications with Jabber
- TelePresence
- Jive

Calendar

Jun 2012

S	M	T	W	Th	F	Sa
27	28					
3	4					
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Meet Now

Monday, June 18, 2012

10:00 AM **Discussion: Economics 315**

Streams

Activities **Watch List (3)**

Share an update

Share

View: All Items | Show: Most recent | Filter

Yvonne Marder

New Photographs!

Photographs that I took for New Age Design 260. What do you think?

Suggestions

People

- Allison Robertson**
One of your peers
28 followers [Follow](#)
- Monika Gupta**
Also enrolled in BA:412
56 followers [Follow](#)

Communities

- University Career Center**
Popular among your contacts
67 members [Join](#)
- Econ. Study Group**
Popular among your contacts
23 members [Request membership](#)

Post

- [Study Abroad this Summer](#)
- [Smiley and your friends](#)
- [Need a Job? Over 100 simple jobs available!](#)



BLENDED, ONLINE AND DISTANCE LEARNING | LECTURE CAPTURE FLIPPED CLASSROOM | MOBILE LEARNING | **COLLABORATIVE LEARNING** | PROFESSIONAL DEVELOPMENT

Cisco Connected Learning Experience

How Do We Get There?

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BLENDED, ONLINE AND
DISTANCE LEARNING

LECTURE CAPTURE
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MOBILE
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Cisco Connected Learning Experience

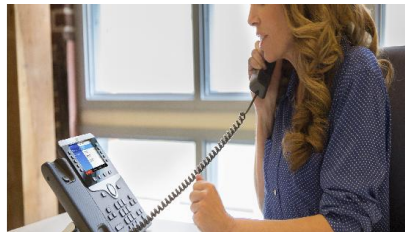
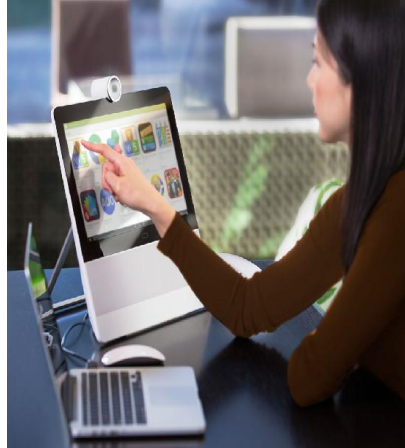
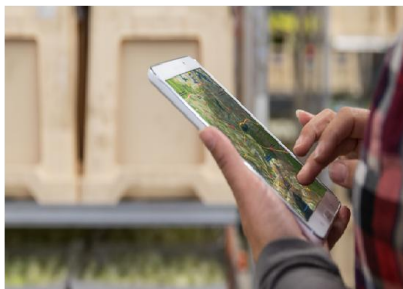
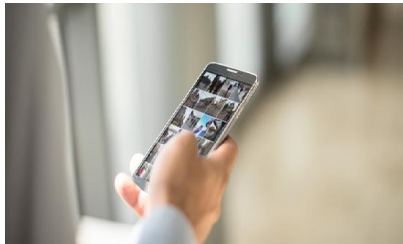
Provide the right workspace for the activity

Mobile

Desk

Open

Conference



Pocket



Boardroom

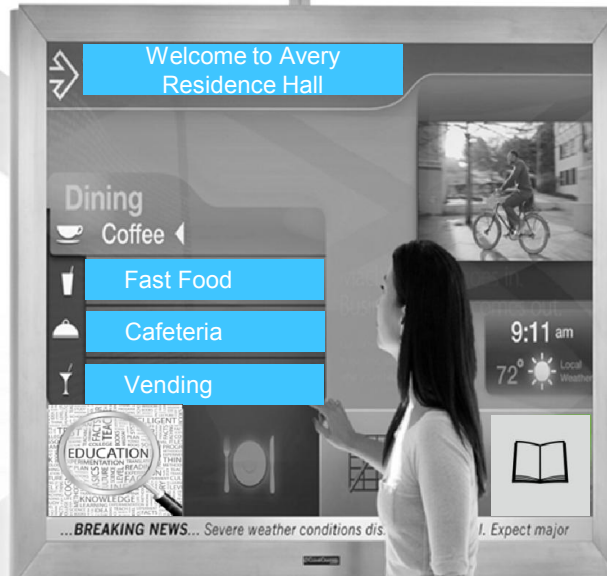
Digital Strategy



Digital Universities and Schools

Universities and schools around the world are businesses and following the private sector - adopting digital and leveraging the unprecedented opportunities brought about by the Internet of Everything

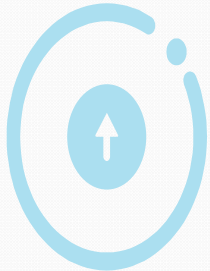
“By 2020, 75% of organizations will be digital or will be preparing to become digital”



Digital universities and schools are **more efficient**, delivering a **quality student experience** and **better learning outcomes** in their own local, regional, national or international markets

Cisco Education Solution Overview

Digital Learning



Enhance quality and innovation of
TEACHING AND LEARNING

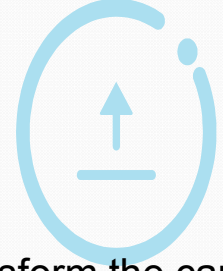


Accelerate productivity and collaboration in
RESEARCH AND DEVELOPMENT

Digital Campus



Deliver operational efficiency of campus
ADMINISTRATION AND MANAGEMENT



Transform the campus environment for better
SAFETY AND SECURITY and STUDENT EXPERIENCE

End-to-End IT Platform

Network | Security (Cyber) | Data Center | Mobility

Key Cisco Offerings for Education

▶ Mobility and BYOD infrastructure to enable learning at anytime, anywhere, and with any device

▶ Video and Collaboration platform for cost-effective on-line distance and blended learning

▶ Virtualisation of ITaas for research projects

▶ **Connected Research**

▶ TelePresence and collaboration platform to foster global knowledge exchange

▶ **Research Exchange**

▶ Connectivity infrastructure to provide cost-efficient administrative services to students, faculty, and community

▶ **Connected**

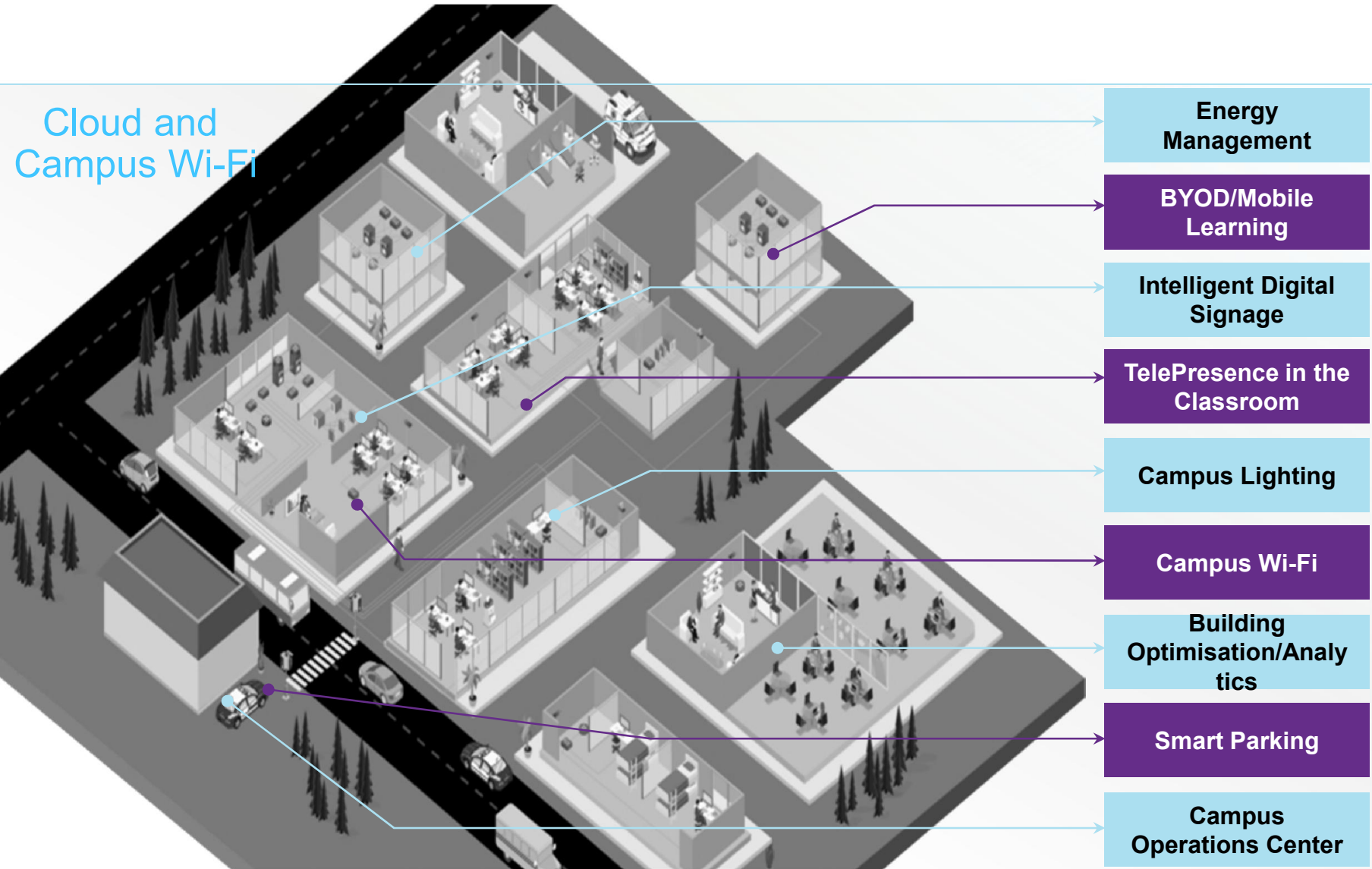
▶ IoT infrastructure for cost-efficient control of campus buildings, stadiums, and utilities operations

▶ **Smart Campus**

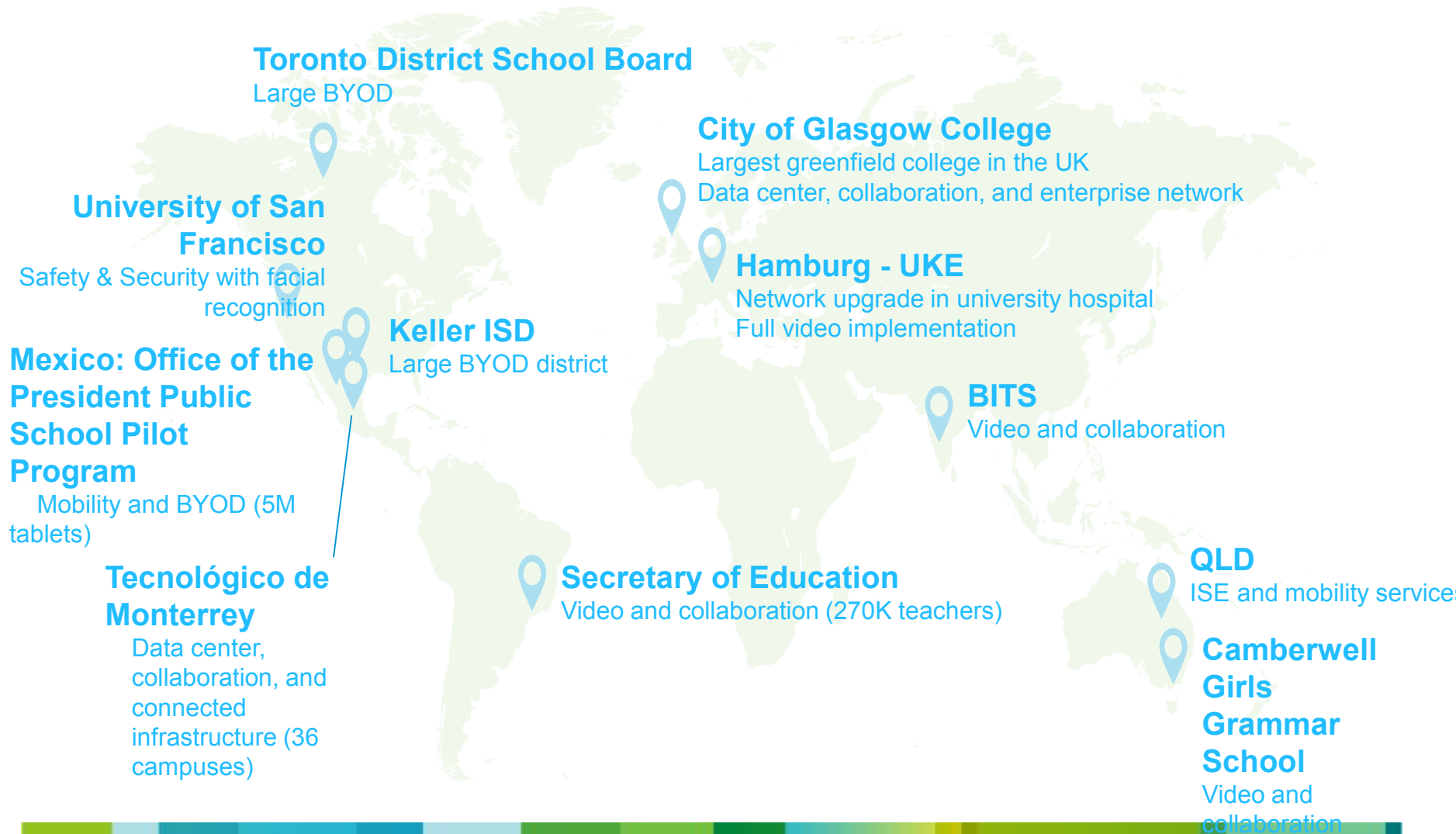
▶ Physical Security platform for campus surveillance, access control, and unified communications

▶ **Safe Campus**

Digital Campus



Education Engagements Around the World



Background

- ▶ Teachers College is part of the Secretary of Education of the State of São Paulo, Brazil
- ▶ Responsible for the creation and deployment of Professional Development Programs for:
 - 230,000 k-12 Teachers geographically
 - dispersed in over 5,300 public schools – in nearly 700 cities
 - servicing over 4.7 million high school students
- ▶ Major education industry reference for large scale Teacher Professional Development – using video and collaboration technologies



Solution

- ▶ Distance and Blended Education Infrastructure
 - 7 VC Studios rooms for live and on-demand video content creation
 - 91 VC centers geographically distributed across the state
 - 5.300 end points at schools connected – for video streaming and collaboration via e-mail
 - Datacenter based content
 - Center of Operations for VC knowledge network
 - Partner LMS (Brain Honey) for Web Academic Portal

Outcome

- ▶ Reduced thousands of dollars in travelling costs, logistics and insurance
- ▶ Significantly increased reach and access across São Paulo
- ▶ Multiplied by 6 the number of hours of teacher's training
- ▶ Over 90% of positive satisfaction response
- ▶ Reference for other regions in Brazil and Latin America for large scale teacher development
- ▶ Created the mind-set that the teacher professional development needs to be a top priority



Valeria Souza
Teachers College
Managing
Director



Cisco has been an important partner and a trusted advisor for the Secretary of Education in São Paulo to enable our Large Scale Teacher Professional Development Program.



Virtual Classroom and Seminars using LMS

CISCO: CMR, WebEx training, WebEx events,
WebEx meetings

Telepresence Studio

CISCO: TX 9000 series,
TMS,
ACR model; V-Brick, UC

Collaborative Video Classes Library

CISCO: V-Brick, Jive

Collaborative Learning Spaces

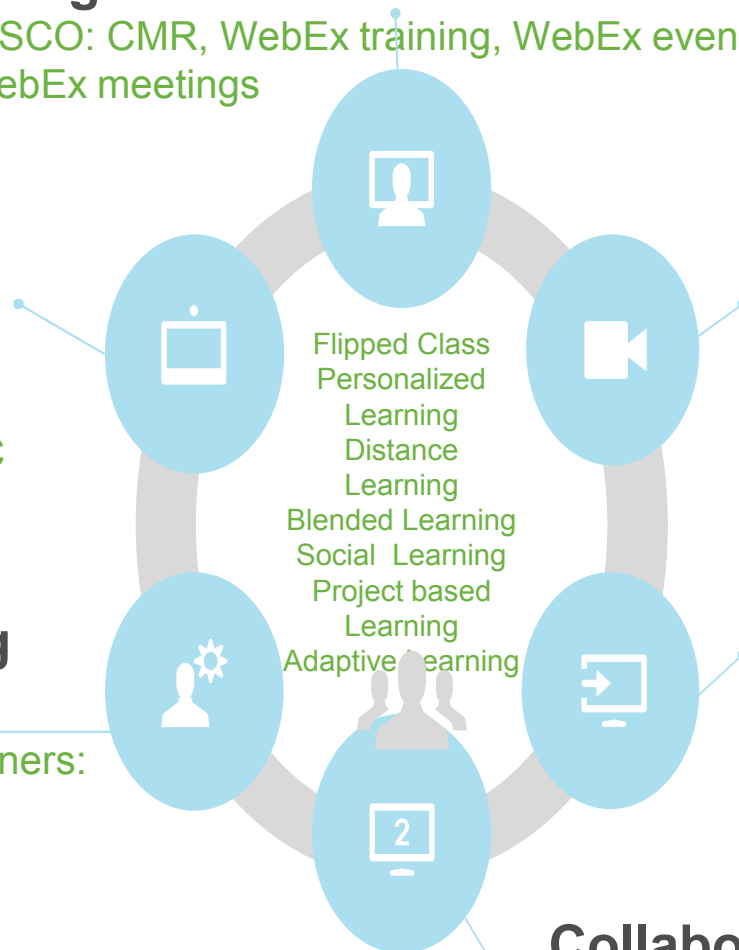
CISCO: Video SX/DX, WebEx,
Jabber, UC

Remote Testing & Analytics

Cisco ecosystem partners:
B.I. Analytics

Collaborative On-Line Mentoring

CISCO: SX/DX series, WebEx, Jabber,



Thank you.



