

# Tagit for School

Interactive learning through Radio & TV

# A global crisis for education.

Today **over 800 million** students face complete or partial school closures.

**Remote schooling and digital initiatives are the primary response.**



# Remote learning is not equal for all.



## Lack of technology is considered to be the biggest barrier to home schooling

- Important disparities exist between countries, regions, wealth...
- 1/3 of children missed out on remote learning due to lack of resources such as computers and internet connectivity
- Primary and secondary level students from disadvantaged families are the most at risk of growing inequality in education.



# TV & Radio can play an important role.



- Many countries have deployed TV & Radio educational programs to reach a wider audience of students.
- TV & Radio are seen as the most important technologies for sustaining learning for students at the primary level.
- Radio remains the most easily accessible technology in the world (75% of households have one)
- Some countries are even investing in new frequencies dedicated to teaching.

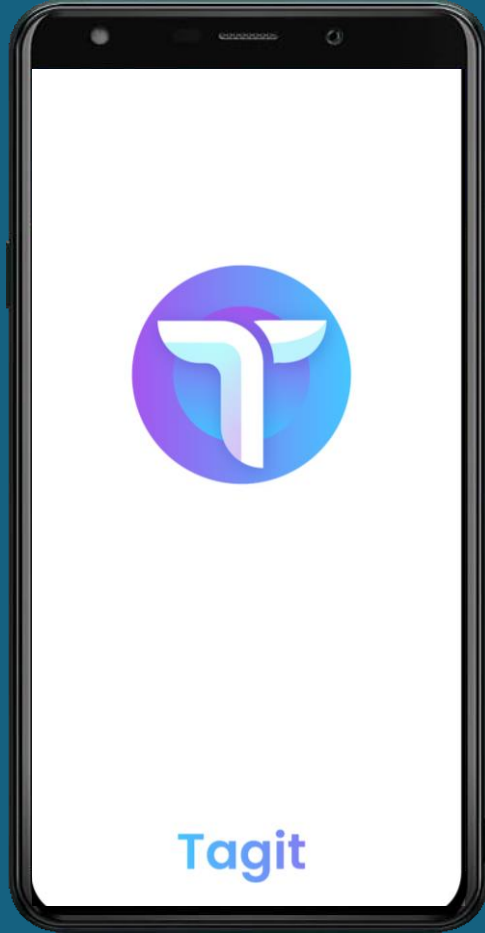




# A challenge remains...

How do teachers verify that students are present, attentive to the broadcasted programs and, even better, actually learning?





# Tagit for School

An easy-to-use application for interactive learning through Radio & TV.

A richer learning experience

More control & insights

Expands access to remote learning

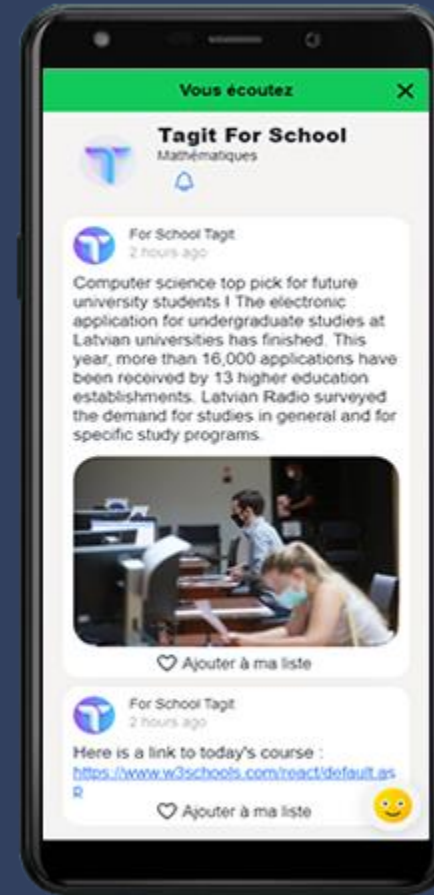
Compatible Android and IOS.



Benefits

# A richer learning experience.

- Students receive supporting content related to the broadcasted program (eg. reading content, imagery...)
- Hands-on learning with exercises, quizzes, & surveys
- Enables more control & insights into student attendance, performance, and learning progress

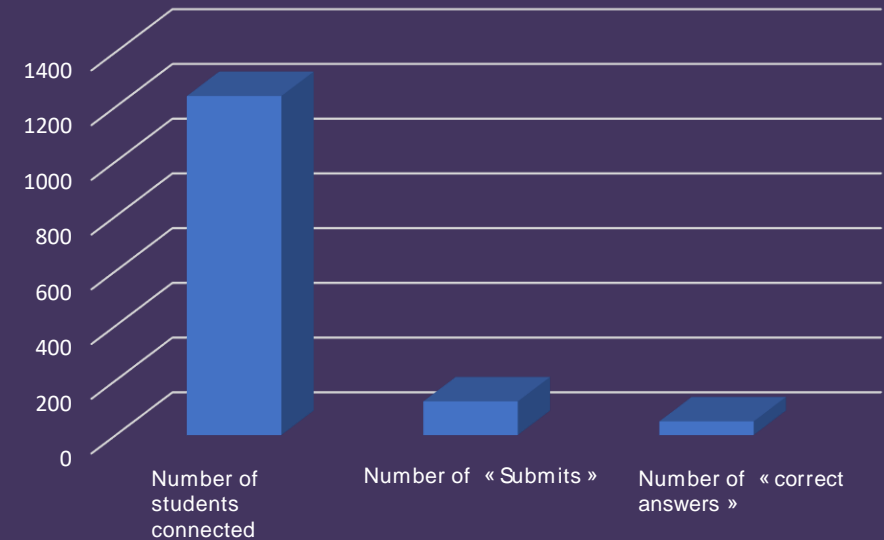
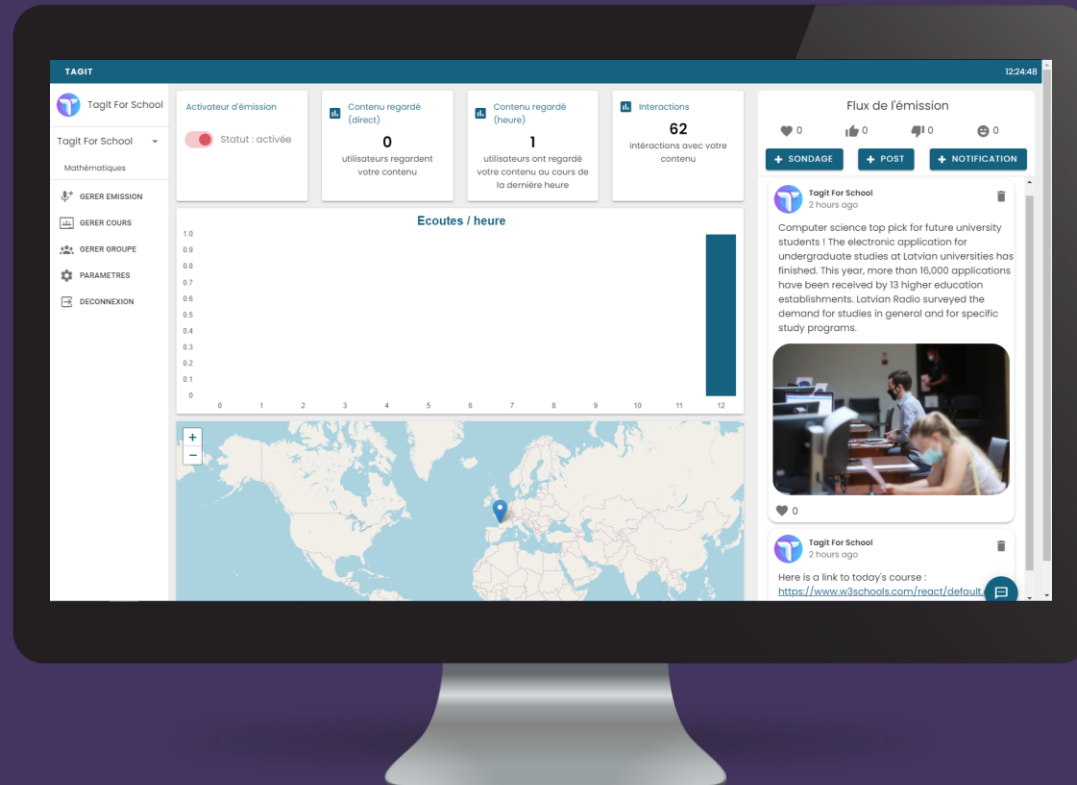


# More control & insights.

The academic's view →

Create shareable content

See live student engagement







# Easily accessible.

Tagit helps bring sustainable learning to more students worldwide.

- Educational Radio & TV programs already exist.
- Tagit is a software solution that is easy and fast to deploy.
- Tagit uses very **little bandwidth** (vs. e-learning) and is therefore more accessible for remote areas.
- 'Locked' smartphones can be provided to students.

# How does Tagit work?

- At the studio, an **identifying code** called watermarking is inserted into the audio broadcast chain for radio or TV.
- When the student uses the app, the phone's microphone **detects the code and identifies the station.**
- The application establishes a **real-time connection** with a **cloud server** which contains the data to display on students' smartphones. The interactive services become available.
- Academic content is broadcasted from the radio or TV studio.
- The Tagit interactive academic content is generated by a web application, accessible from any location.



# How does Tagit work?

Simplified representation of Tagit architecture → Nationwide broadcasting application



**Live or recorded broadcasting from studio**

Tagit studio software on a dedicated PC or tablet. Enables creation of content & interactivity.

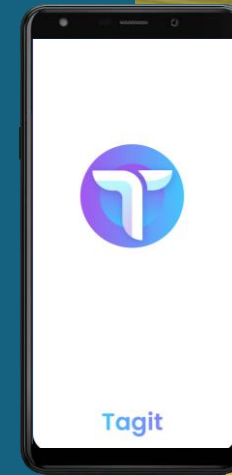
**Students at home**

When the student uses the app, the station and program are identified.

Real-time connection with the Tagit cloud server begins for data display & interactivity.

Takeaways.

# Making remote learning accessible & more effective for millions of children.



## **STUDENTS**

### A richer learning experience

- Student receives relevant content relating to the broadcast education program
- Hands-on exercises, quizzes, & surveys aid in learning
- Interaction requires more focus & concentration

## **ACADEMICS**

### More control & insights

- Verify attendance
- Gauge student engagement
- Verify learning progress

## **TECHNOLOGY**

### Easily accessible

- Quickly deployable through watermarking technology
- Uses very little bandwidth (vs. e-learning solutions)
- Accessible to any student with access to a smartphone. Otherwise a 'locked' phone could be provided.





**Need support**  
for a new FM network or  
to extend coverage?



# Who we are.

WorldCast Group is a **leading solutions provider for media** with a deep expertise in Radio & TV broadcast.

WorldCast Group companies include:



## Our objectives

- improve the **user experience**
- **leverage data & infrastructures for customer success**



# What we offer.

Solutions that cover the entire broadcast chain.



Audio / Video  
Contribution &  
Distribution

APT



FM Transmission  
& Antenna Switch

ECRESO



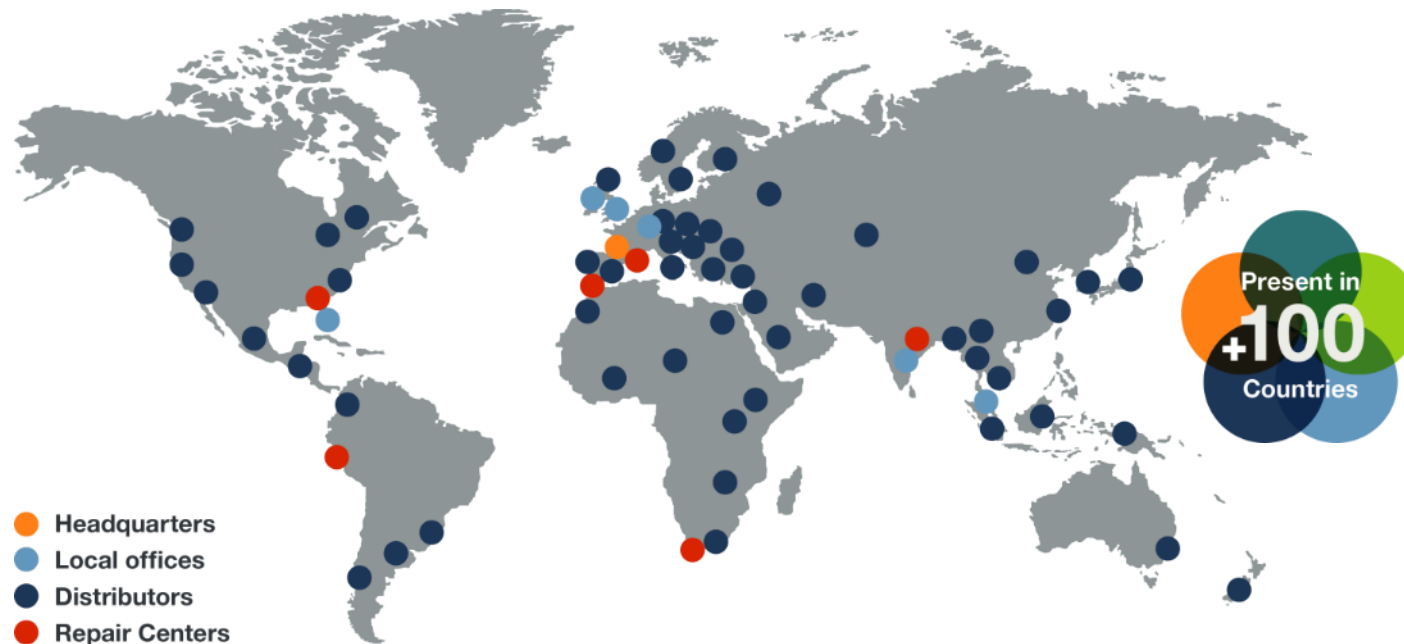
QoS/QoE  
Monitoring,  
Measurement,  
Control,  
RDS Broadcast

AUDEMAT



Monitoring &  
Control

KYBIO



## A global presence.



# Ecreso FM transmitters

- **Ecreso FM 100W-2000W:** perfectly adapted for community radio broadcasting.
- **Ecreso FM 3kW, 5kW/10kW:** larger scale or national broadcasting.



# Ecreso Solar FM

**Turnkey** FM transmitter for outside broadcasting up to 24 hours/day. **Operates in isolated or rural areas** with limited electrical infrastructure, covering up to 10 km.





# THANK YOU

for tuning in.



**Tagit for School.**  
**Contact us to learn more.**  
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# Sources

- <https://www.weforum.org/agenda/2020/12/covid19-education-innovation-outcomes/>
- <https://news.un.org/en/story/2020/08/1071112>
- <https://en.unesco.org/news/unesco-figures-show-two-thirds-academic-year-lost-average-worldwide-due-covid-19-school>