Tolka
EDS(Education Delivery System)

Educators throughout the world are exploring the potential of distance learning in order to improve accessibility and efficiency. A key challenge is the high cost of internet access for students in remote locations. Another is the diversified technical infrastructure needed to place an education system 'ON AIR'.

Tolka EDS is a complete Education Delivery System designed to a schools, colleges, polytechnics or universities deploy distance teaching WITHOUT internet. EDS supports efficient and low-cost technology plus existing broadcast resources to deliver features customized to each educational organization's requirements.

Easy to deploy and fully secure, Tolka EDS empowers educators to concentrate on their profession without distraction. It overcomes many of the infrastructure limitations imposed by traditional teaching methods, including the cost of student accommodation and the risk of COVID-19 infection. Fully scalable and technically future-proof, it elevates teaching to meet the demands of the 21st century.

EDS Benefits

- No internet required
- Accessible where satellite or terrestrial signal is available
- Personalized and targetable

EDS Environment

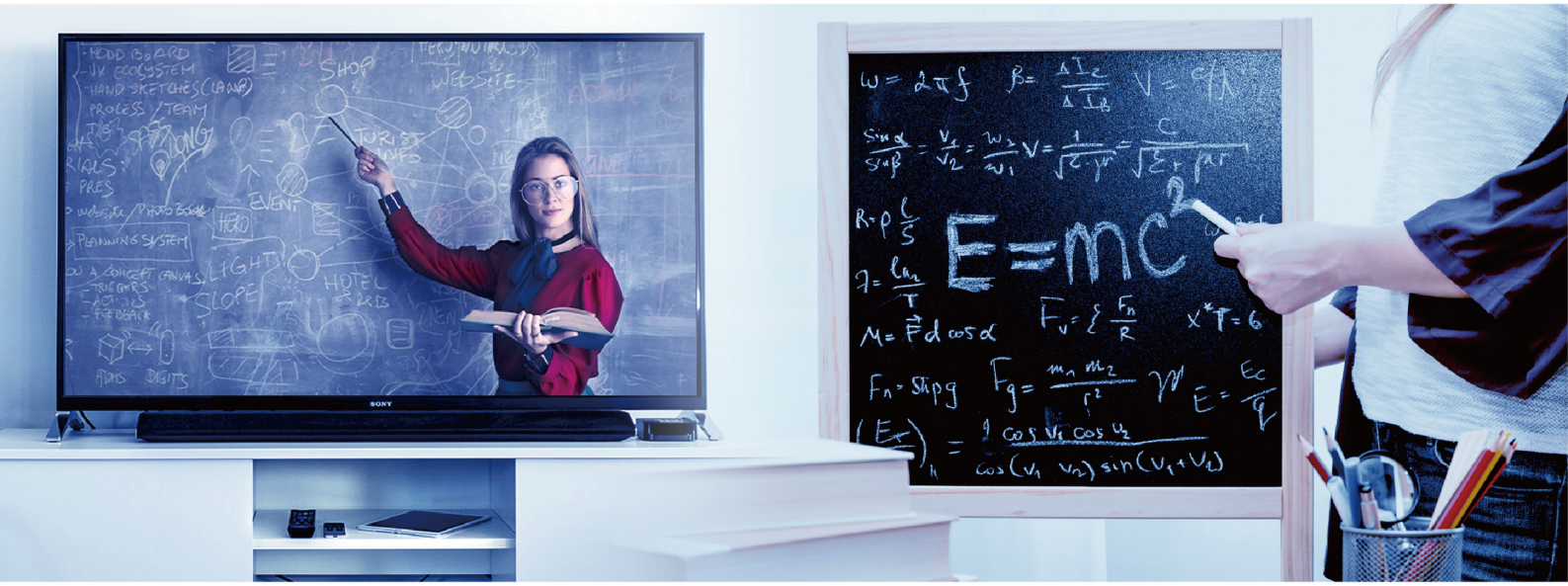
- Satellite/terrestrial TV broadcast; OTT can also be supported
- Common set-top-box or mobile device with EDS-enabled app

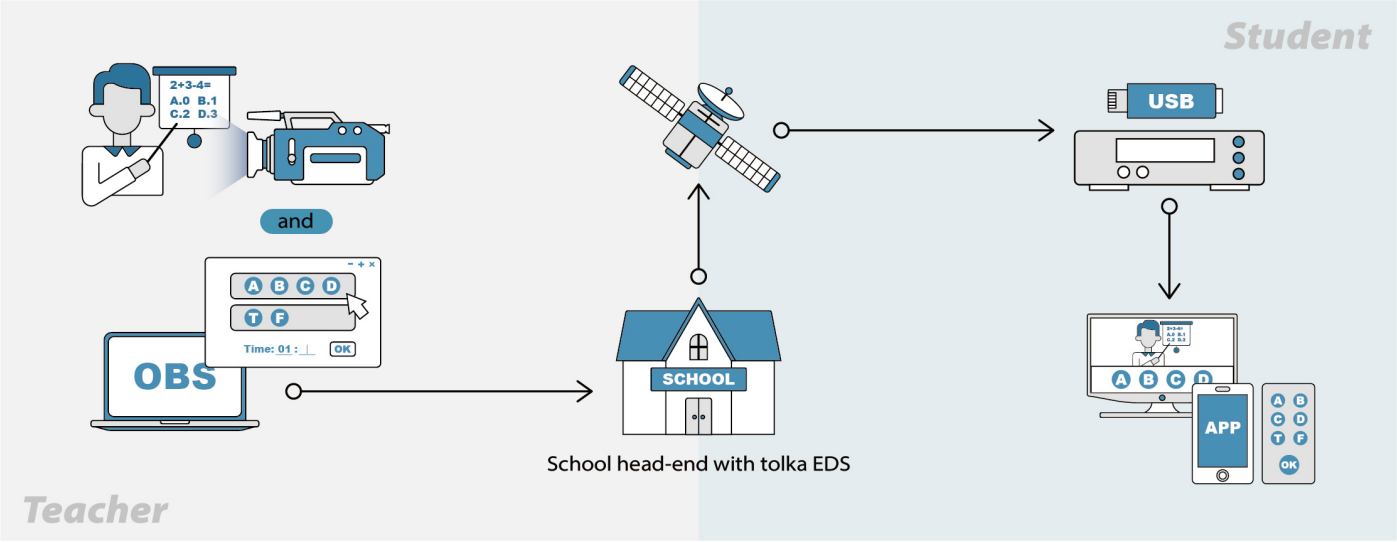
EDS Elements

- Conditional access system (CAS)
- Subscriber management system (SMS)
- Class schedule or electronic program guide (EPG)

EDS Features

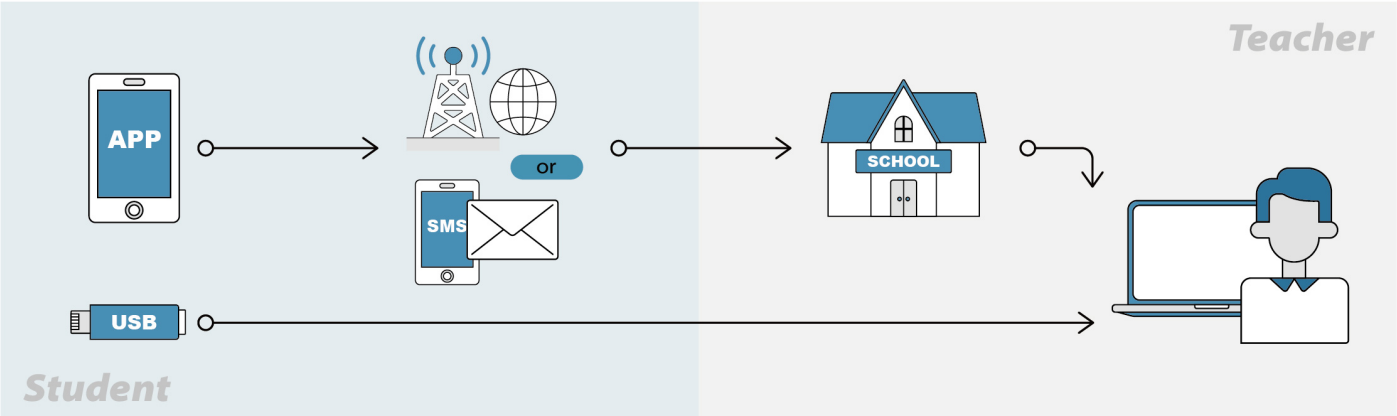
Who uses it?	School	Broadcaster	Student	Parent
Personal video recorder (PVR), recording video for later reference			V	
Student attendance checking	V		V	
Pop-up quiz	V		V	
Parent monitoring	V		V	V
Push on-demand content (for students who need more review/ preview)	V		V	
Targeted/personalized advertisements		V		





Teacher

EDS allows lessons to be broadcast widely but securely. Only students with approved access have authority to participate in a class. The teacher controls the system and is able to check which students are attending. Student responses to specific questions and be obtained via an on-screen pop-up quiz.



Student

Individual students can respond to their teacher in two ways:

- Students viewing lessons via a set-top-box save their responses to a USB memory chip and deliver this to the teacher when next at the school.
- Students with a mobile device and EDS-enabled app can send their reactions via wi-fi/cellular data.

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