



**FASTER**  
Go-to-market  
Development  
Testing  
Launch

Through Measurable Automation

## FalconEye

CPE | Monitoring | Multiscreen

Tata Elxsi has 20+ years of experience in the Media and Broadcast industry and brings together the best practices across the world.

Tata Elxsi's FalconEye is an integrated test automation suite which enables operators to reduce the turnaround time to test & deploy new solutions & services for their customers.

With operators striving to ensure seamless multi-screen content delivery, Tata Elxsi's FalconEye offers a unique solution facilitating test driven development & roll out of services across STBs, DTVs, IPTVs and second screen devices such as mobiles, laptops & tablets.

## OUR PRODUCTS

### FalconEye

CPE

For Set Top Boxes and Gateways

### FalconEye

MONITORING

For Service Center Diagnostics

### FalconEye

MULTISCREEN

For Mobile Devices

## KEY HIGHLIGHTS

### UPGRADE MANUAL TESTERS

Easy transition from manual to automation testers

### FLEXIBLE ROADMAP

Flexibility to prioritize and customize roadmap as per customer needs

### INTEGRATE

We help integrate to address Wi-Fi scenarios, internal data lakes etc.

### AGILE ACCEPTANCE

Accept vendor hardware without compromising on agility and quality

### CUSTOMIZE

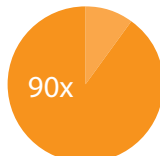
Customizable dashboards, which can be integrated with CI/ CD pipeline

## Pushing the Boundaries of Automation



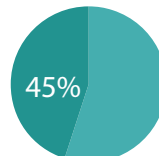
100%

Boost in Test Script Productivity



90x

90x Boost in Acceptance Rate




45%

45% Increase in Sanity Test Pack Coverage

# FalconEye

CPE



*Remote video test automation solution licensed by leading operators*

**6+** Operator Licensees    **25,000** Test cases automated    Executing **2,00,000+** Test cases annually    Automate **85%** of stability test workflow

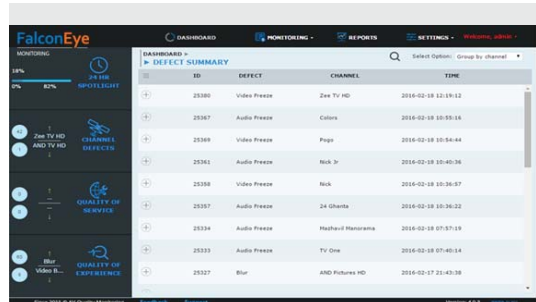
## Highlights

- Manual/ Automated Testing
- Cable/ Satellite/ IP platform
- Functional/ Performance/ Stability/ QoE
- Onsite and remote
- State based navigation & exception handling
- Templates for quick generation of generic test scripts
- CI Friendly - Integrates with Jenkins, ALM
- 2 variants: Rack (16+ users) | Single user
- AI based regression
- UI agnostic
- Bluetooth & RF4CE remote control support in addition to IR



# FalconEye

MONITORING



*Software based solution, providing probes to monitor perceptible QoE at different nodes in media continuum deployed at major operator locations for LinerTV & OTT*

ID	DEFECT	CHANNEL	TIME
25380	Video Freeze	Zee TV HD	2016-02-18 12:19:12
25367	Audio Freeze	Colors	2016-02-18 10:55:54
25369	Video Freeze	Pogo	2016-02-18 10:04:44
25361	Audio Freeze	Nick Jr	2016-02-18 10:40:36
25358	Video Freeze	Nick	2016-02-18 10:36:57
25357	Audio Freeze	24 Ghanta	2016-02-18 10:36:22
25334	Audio Freeze	Madhuri Matrimoni	2016-02-18 07:57:19
25323	Audio Freeze	TV One	2016-02-18 07:40:14
25327	Blur	AND Pictures HD	2016-02-17 21:43:38

**5,00,000+** hours monitored for **100+** channels

## Highlights

- Facilitates progressive monitoring of video across delivery nodes, There by improving efficiency of ops teams
- **Artifacts detected:** Macro blocks, video freeze, blur, video looping, audio absence, pixilation, manifest file validation and player errors detection
- **Platforms supported:** STB, Mobile/ Tab, web/b> Macro blocks, video freeze, blur, video looping, audio absence, pixilation, manifest file validation and player errors detection
- **Modes:** Real time, Lab environment, Offline analysis
- Configurable for cyclic/ dedicated monitoring

# FalconEye

MULTISCREEN



*App test automation framework for multiple screen sizes such as smartphones, tablets, laptops, gaming consoles and wearables*

## Highlights

- Executable on both Android and iOS mobiles
- Parallel and interactive execution with multiple devices/ mobiles
- Run automation for native, hybrid and web apps in mobiles
- View live execution happening in mobiles through browser
- Schedule/ block the devices in the lab for future runs
- Device specific graphical reports, logs and screenshots
- Dynamic statistics of CPU, memory usage for each device

# TATA ELXSI

Tata Elxsi is a design company that blends technology, creativity and engineering to help customers transform ideas into world-class products and solutions.

A part of the \$100 billion+ Tata group, Tata Elxsi addresses the communications, consumer products, defence, healthcare, media & entertainment, semiconductor and transportation sectors. This is supported by a network of design studios, development centers and offices worldwide. Key services include embedded product design, industrial design, animation & visual effects and systems integration. Tata Elxsi is a listed company and headquartered in Bangalore, India.

To leverage our FalconEye solutions and other capabilities contact us at [info@tataelxsi.com](mailto:info@tataelxsi.com)

For more information, visit us at [www.tataelxsi.com](http://www.tataelxsi.com)