

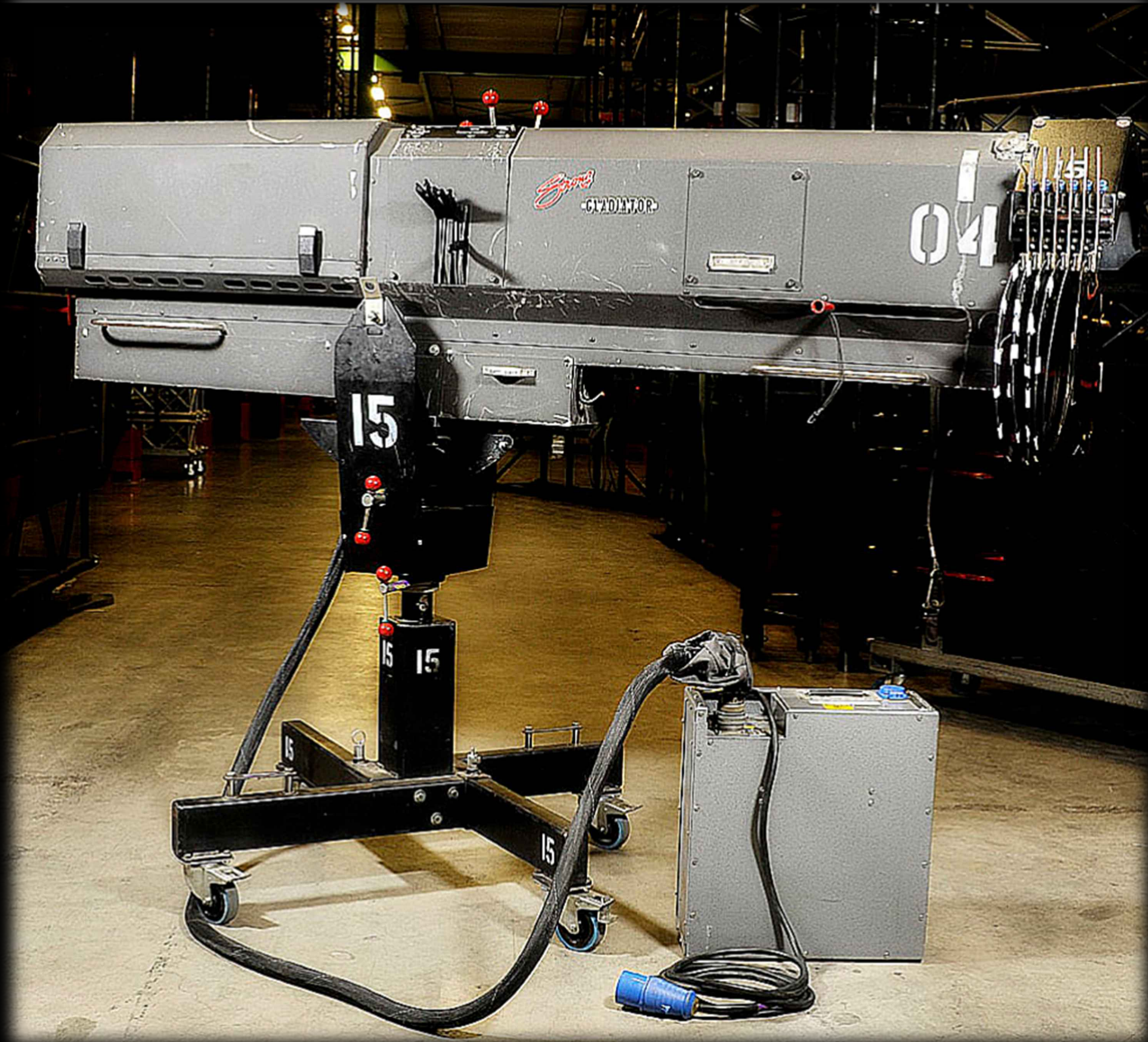
Evolution™ – Best Practice Option for Live Performance

by  
3D Stage Tracker LTD (Ireland)



# Xenon Follow Spots

## Old School Answer



Strong Gladiator IV 4kW Xenon follow spot pictured

- Dome rooms & perimeter platforms limit creativity:
  - Predetermined fixture positions
  - Long throw & shallow beam angles
  - Boomerang color & mechanical dimming
  - Unpredictable house gear quality
- USD \$30,000+ fixture & \$900 Xenon lamp
- 50A 240V + ground power requirement
- 750 lb (340 kilo) road case weight
- 96 x 44 x 26 in (244 x 112 x 66 cm) truck space
- Time & labor! Load in, assemble, lamp & strike
- Experienced (certified) electrician & rigger payroll
- Local operator rehearsal requirement
- Xenon explosion, direct current arc & UV injury risk
- Unacceptable cost, time, transport & risk!!

James Thomas truss follow spot operator chair pictured



## Truss Follow Spot Operator Chair

### Old School Answer

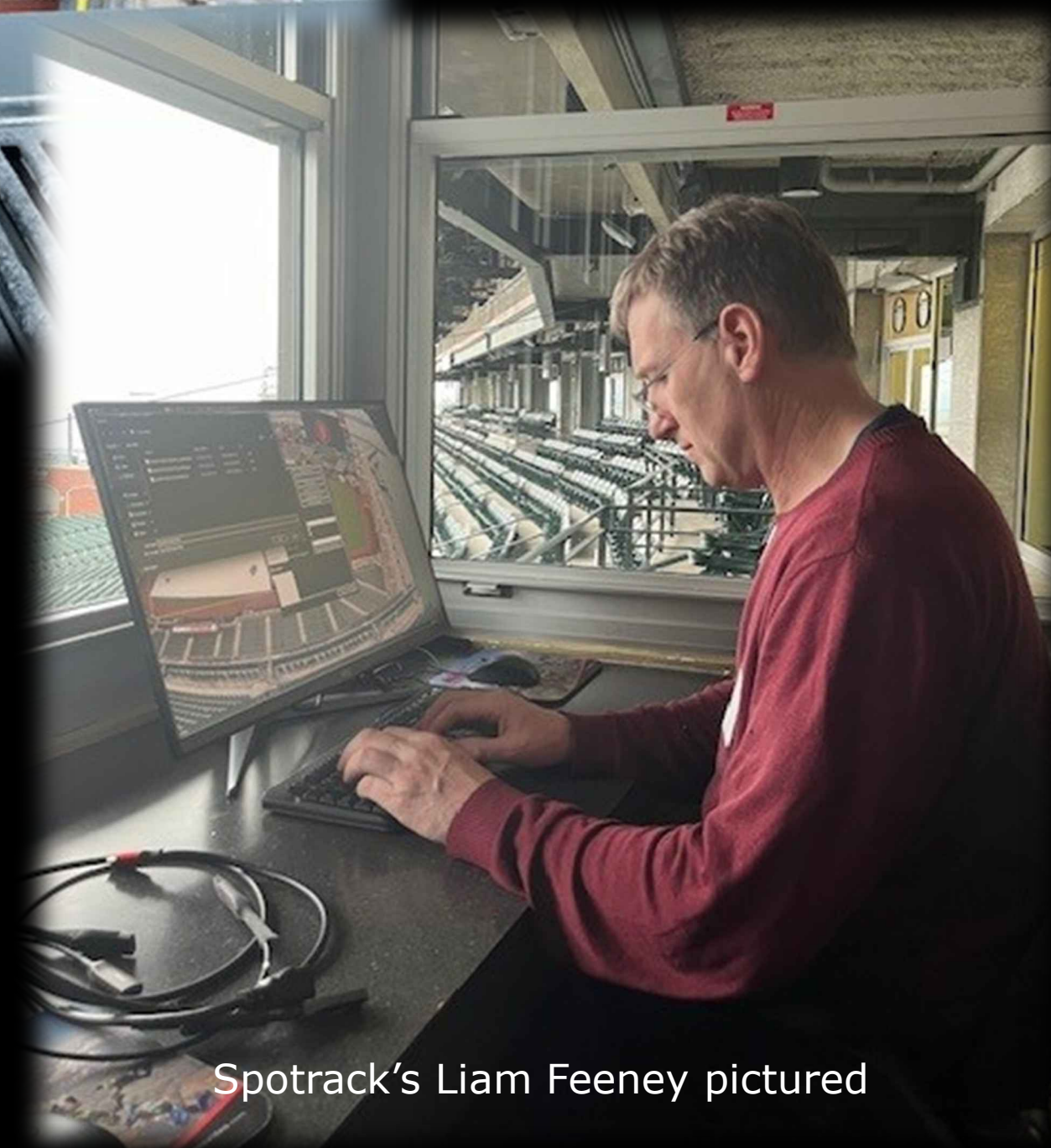
- Operators hoisted up with the truss, or forced to climb ladders
- Operators trapped on the rig
- Hot, loud & uncomfortable workspaces
- No lavatory or smoke break accommodation
- No viable work-around for hardware failure
- Fearless, athletic & nimble operators only
- Employment opportunity restricted
- Venues & producers face considerable risk
- Time & labor-intensive set-up & strike
- Unacceptable time, cost & risk!!

# Evolution™ Remote Follow Spot & Synchronized Fixture Tracking

## Best Practice Option



Oracle Park San Francisco pictured



Spotrack's Liam Feeney pictured

- Dependable performance
  - Fixture & console brand agnostic
  - Moving heads or moving mirrors
  - No RF or IR wireless interference
  - Fast & simple calibration
  - Fast set-up & strike
  - Negligible space & weight
  - Better gig "wow" factor
- 
- Best practice option, based on documentable time, labor & space considerations alone!!



# Evolution™ Operator Workspaces

## Best Practice Option

- Inclusive workspace
- Stand or sit comfortably
- Wheelchair accessible
- Lavatory accessible
- Fall hazard eliminated
- Hearing impaired accomodated
- Operators interact w/ colleagues
- No line-of-sight requirement
- Neurodivergent friendly
- Better gig "wow" factor
  
- ADA (US), EEOC (US), OSHA (US) & EAA (EU) friendly
  
- Safe operator workspace, at low, predictable cost!!

Enrique Bunbury tour & Evolution operator pictured.  
Madison Square Garden NYC



# Evolution™ Handlebar/Tripod Control

Best Practice Option



Evolution™ **handlebar** a/k/a Remote On Board (ROB).

Dampened tripod w/ pan-tilt encoders; consolette w/ internal processor; operator handlebar w/ attribute control faders; and two 15.6" displays.

Seamlessly shares fixture attribute control with the performance lighting console.



# Digital NDI CMOS Cameras

## Best Practice Option

**SpotCam™** 20X zoom cameras are more sensitive than the operator's eye.

PoE NDI (video) is sACN & Art-Net (control) network compatible. Very low latency.

Accuracy of performer/musician/athlete targeting is excellent.

Synchronized fixture tracking becomes a "wow" design option.

**Evolution™** software adjusts beam size & intensity attributes, as fixture throw changes.



Fixture pictured is SpotCam camera equipped  
Vari-lite VL-3600 IP



# Agnostic Fixture Compatibility

## Best Practice Option



**Evolution™** controls most ANSI E1.11 (DMX512) compliant moving head and moving mirror fixtures.

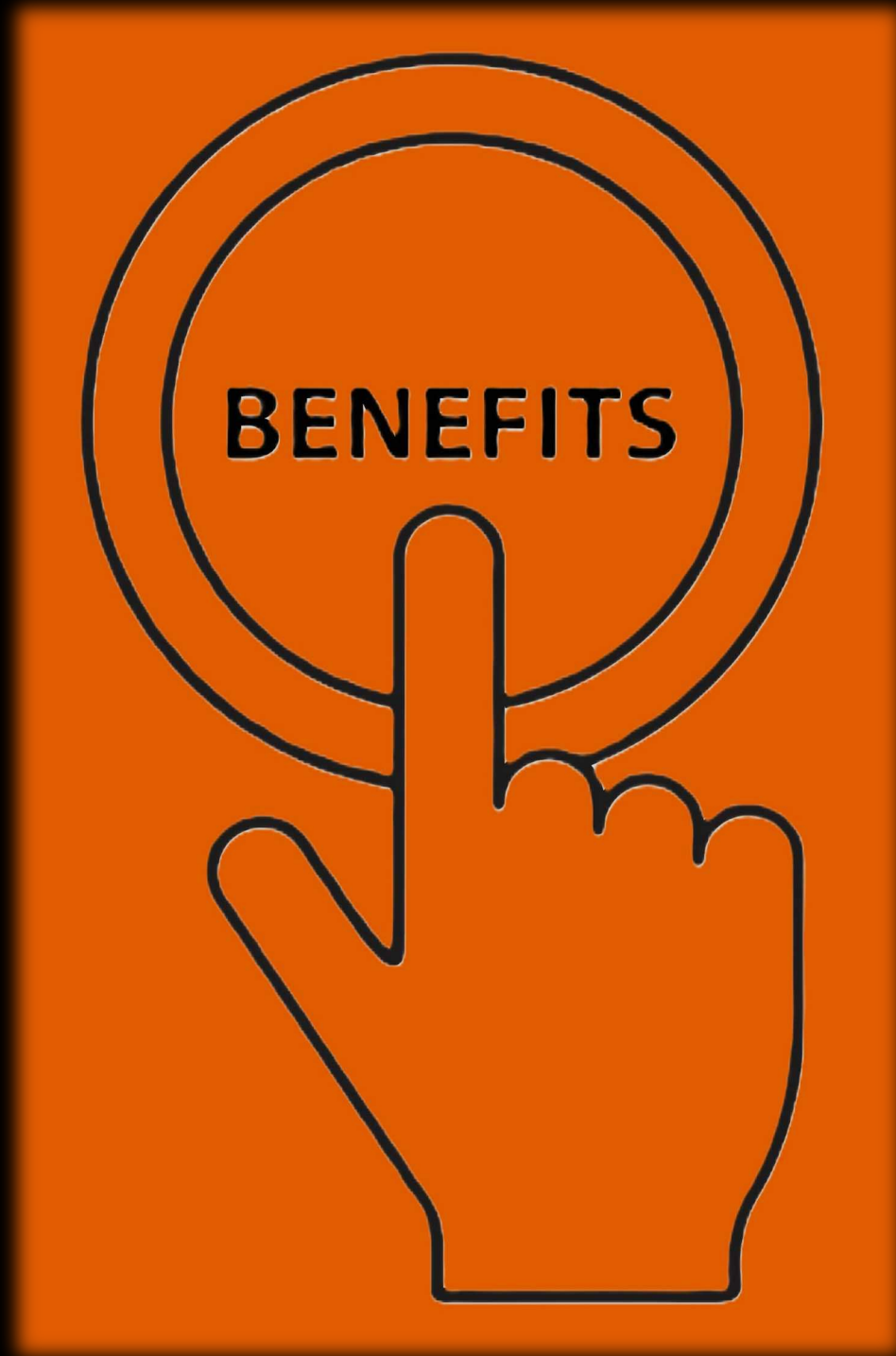
- Not tied to any fixture brand or model
- Stationary, moving yoke and moving mirror models
- IP rated (outdoor) models
- Narrow and super long throw (stadium) models
- Fixtures with factory integrated Spotcam™ camera
- Fixtures with reseller installed Spotcam™ camera

Fixture pictured is SpotCam camera equipped Vari-lite VL-3600 Profile IP



# Spotrack Evolution™

## Best Practice Option



- Reliable key light control w/ viable override capability.
- Fast turn-around with less gear, labor & trailer/container space.
- Control console & lighting fixture brand/model agnostic.
- Inclusive, ADA, OSHA, EEOC & EAA operator workspace friendly.
- No RF/IR transponders, receivers, or performance space measurement.
- No wireless RF interference or IR sunlight & range vulnerability.
- Three-minute calibration for follow spot operation.
- Fast, one-time calibration process for synchronized fixture tracking.
- Globally proven. Professional lighting designer preferred.
- “Wow” production quality & better audience/spectator experience!!

## Project Photo & Video Links

- [Seattle Opera](#)
- [Oracle Park \(Giants\) – Team Video](#)
- [Romeo Santos](#)
- [Harvest 2023](#)
- [RBD Tour USA 2023](#)
- [Bad Bunny 2024 Tour](#)

## About Us

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