

OPTIONS

CUSTOM INTEGRATION

Integrate control for other room automation, such as hydraulic or pneumatic platforms, doors, etc.

DUAL CONTROL POINT

Connection plug on stage and reggie.

EFFECTS

From simple wave, saw and sequence effects, to complex, compound and group effects.

USER PROFILES

Restrict access to modes and features by different user profiles.

PERSONAL COMPUTER

Offline planning and simulation on mobile personal computer.

SOLID AND FLEXIBLE

ROBUST

IP65 Industrial Hardware.
No moving parts except air-flow.
Solid state storage for blow and vibration resistance.

FLEXIBLE POSITIONING

Wheeled base
for best placement.
Single link to wall by long hose.
Alternative plug points.

3-WAY CONTROL

Touch Screen, Joystick and Keyboard
Center-return analog joystick as a quick dynamic alternative to define selected bar speed.
Keyboard integrated pointing device as alternative to touch-screen.
Back-lit keyboard for operation in dark environment.

PHYSICAL SAFETY

All movements paused if Presence Button (green) not hold down.
Emergency button (red) guarantees instant all movement blocking by security level brakes.
Movement aborted if load weight variation detected (load loose or load blocked).

OUTSOFT
SOFTWARE ENGINEERING



MOTORIZATION
Control

Tdrive

theater control

SAFETY FIRST

Physical and Logical Safety Priority.

REAL-TIME GLOBAL GRAPHIC DISPLAY

Direct Representation of all bars allowed route, bars position, load type and load size.

CUSTOMIZED LAYOUT

Screen layout customized to the theater layout.
Up to 60 bars visible simultaneously.

TOTAL MOTOR CONTROL

Position, Speed and Acceleration
Up to 160 CanOpen motors.
Up to 20 bars moving simultaneously.

BAR GROUPS

Solid or flexible.

SCENES, CUES and SCRIPTS

Programming, saving and running of theater plans.

UNIQUE FEATURES, UNIQUE VALUE

Extensive base features

Optional advanced features

Customizable

Integration with external systems for centralized control



OUTSOFT
SOFTWARE ENGINEERING

Edifício Colombo I
Rua Mário Sacramento, 117 - 1N
3810-106 Aveiro - Portugal

Phone: +351 914 662 673
Fax: +351 234 199 821
www.outsoft.pt



DIRECT AND INTUTIVE

CONTROL

3-way individual or group bar control:
Touch Drag & Drop, Joystick and Numeric.

Control and Numeric Display of each bar current position, goal position, speed and load.

OPERATION MODES

Assembly mode for mounting loads, and configuring bars, loads and groups.
Script mode to set and configure scenes, cues and scripts
Show mode to run scripts.

SIMULATION

Offline simulation for configuring or running a cue or show when it is physically not possible or convenient to move the real bars.

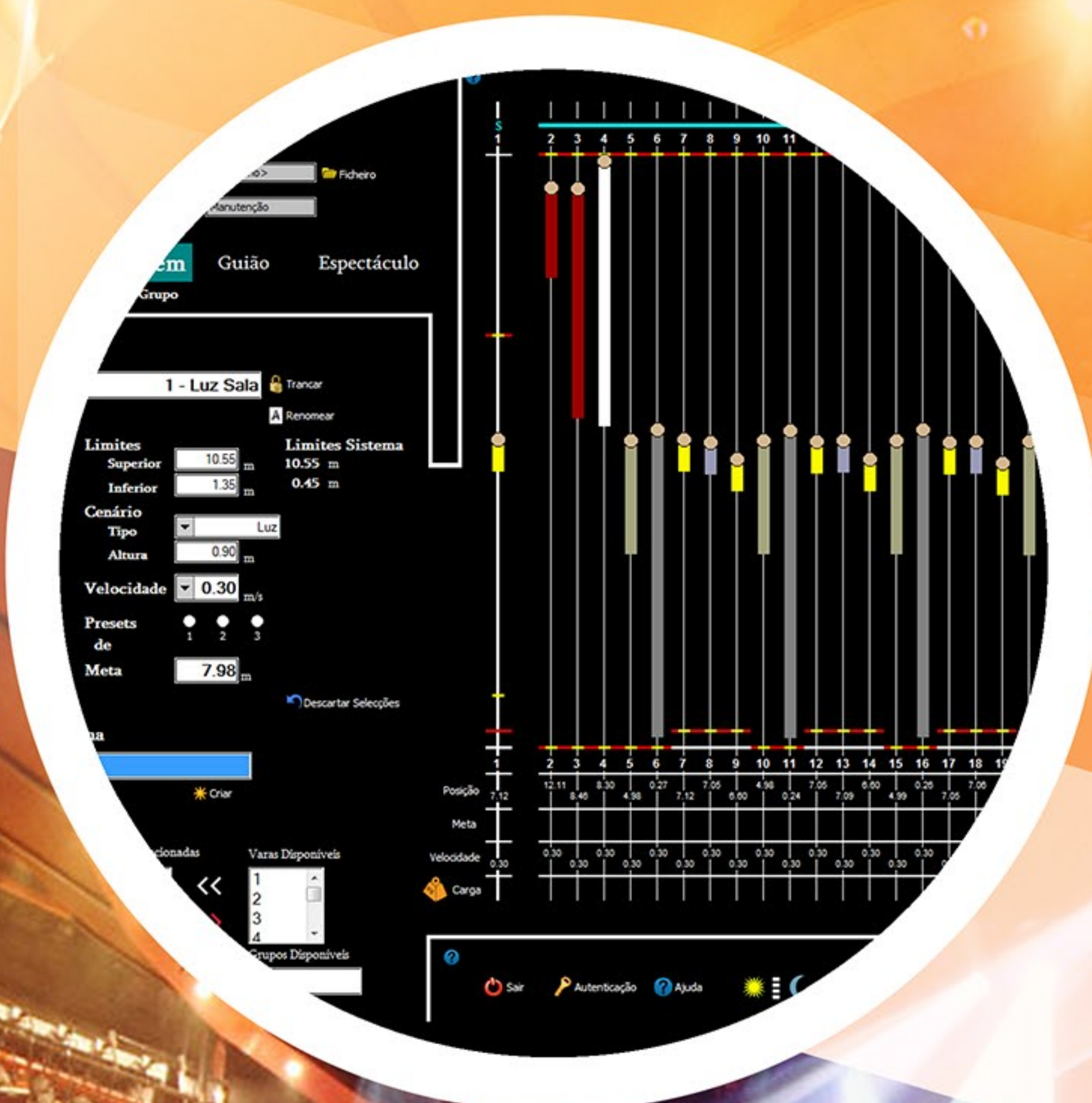
HALL REPRESENTATION

Bars routes relative to each other and relative to stage.
Display of load size and load type by color allows easier identification of bars and allowed behavior.

System Limits (red) define permanent limits according to theater layout.
User Limits (yellow) define temporary limits on a bar.

GROUPS

Flexible groups with individual speeds for related bars.
Block groups with constant relative position for solid loads on multiple bars.
Bar grouping adds easier association with theater layout.



MOTORIZATION Control

INTELLIGENT AND HELPFUL

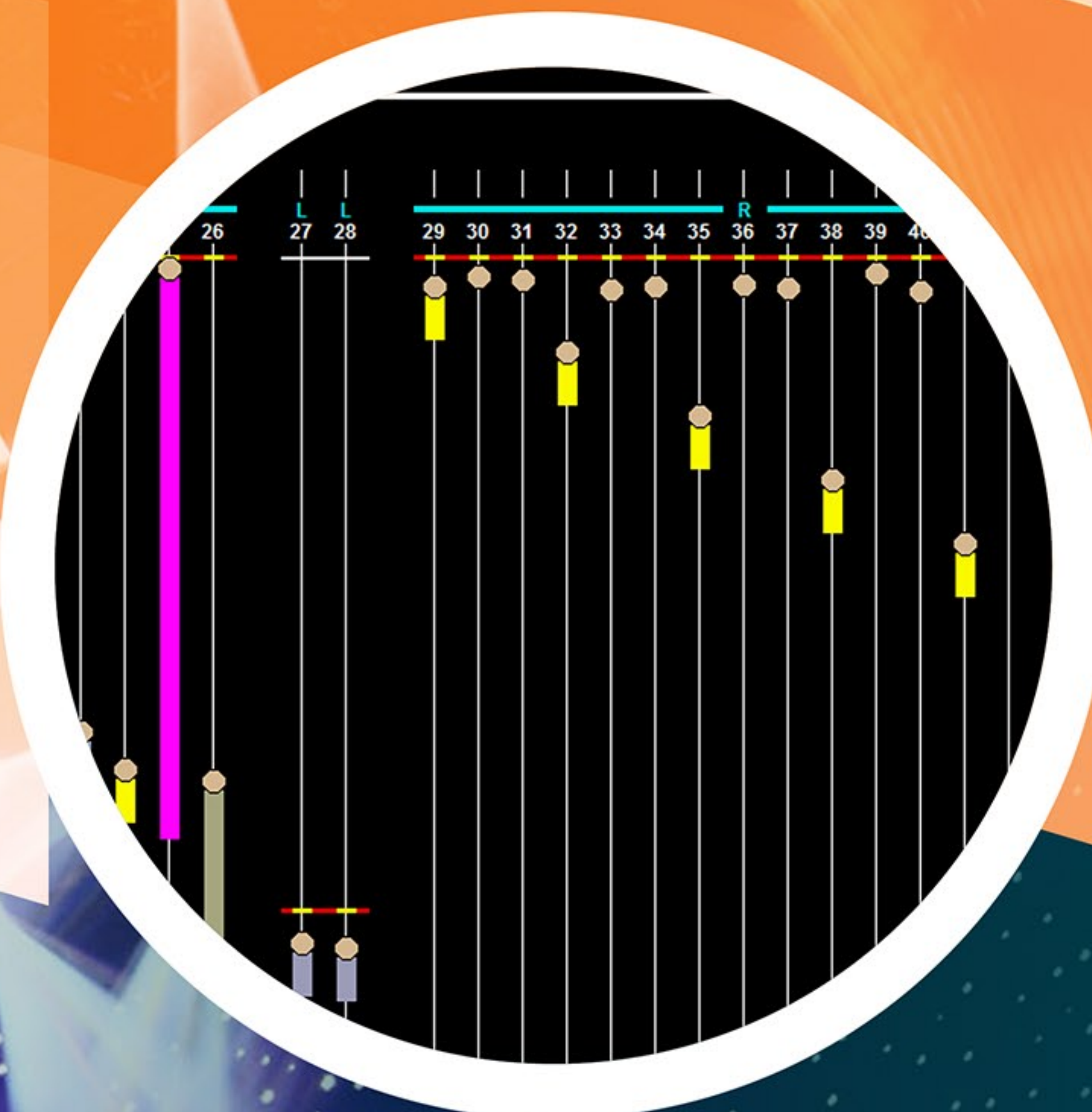
ASSEMBLY VIRTUAL ASSISTANT

Safe & efficient Show transition. Crucial for loading saved scripts without emptying all bars first.

Restrictions based on load type and size would be overruled when loading a saved show with different loads. Real load change transition period would be unacceptably dangerous. Forcing unload of all bars before loading of saved shows would be very inconvenient with common loads across shows or semi-permanent loads.

Virtual Assembly Assistant keeps simultaneous track of both current physical configuration and loaded show configuration, guiding the user through all the transition steps, and keeping all required restrictions.

Additionally the Virtual Assembly Assistant keeps continuous track of all scenes and cues of the loaded show that cannot be executed due to current physical configuration, and displays automatically the alerts above each bar, with detailed information upon bar selection.



MOVEMENT RESTRICTIONS

Permanent restricted movement routes and simultaneous zones movements according to each theater safety requirements.

User defined restricted routes or completely block bars, to accommodate temporary setups on stage.

Intelligent restriction prevents both ends of solid loads go past defined limits, based on the defined load size and type.

Restrictions displayed with different types of lockers.

WARNING AND INFORMATION

Restrictions lockers, Diagnosis Alerts, Motor problems with cause information, and other information is displayed for each bar.

AUTOMATIC BACK-UP

Black box placed far from the console automatically stores real-time duplicate of all work, history and state.

INSTANT RECOVERY

In the event of console failure, destruction or theft, there is instant and automatic resume of operation and last state by just