

LED WALLS AND ARCHITECTURAL DISPLAYS

Redwood Digital Walls

Digital surfaces, built in.

Redwood Digital Walls designs and delivers LED walls and digital display walls: immersive surfaces engineered into architecture, not hung on it.

Latest version: <https://docs.redwood-tech.com/profiles/redwood-digital-walls/> · Updated 7 October 2026

Who we are

Redwood Digital Walls is the specialist studio within Redwood Tech Group for architectural digital displays and statement visual installations. Creative intent becomes a large-scale surface, with the presence expected of the architecture around it.

Engineers and project leads work with architects, interior designers, developers, and brand teams from concept through commissioning. Junctions, finishes, and pixels are considered so the result reads as architecture, not as equipment.

Expertise

Design and concept

Scale, proportion, viewing experience, and how the wall anchors the room or façade, before hardware is chosen.

Architectural integration

Coordination with structure, MEP, and interiors: framing, recesses, heat, access, and maintenance.

LED and display technology

Pixel pitch, brightness, processing, colour, and infrastructure specified for that environment.

Content and visual experience

Playback, scheduling, and control aligned with the room, whether one piece or a wider canvas.

Supply, installation, and commissioning

Alignment, colour, and handover documentation so the wall performs as designed.

Sectors

Luxury residences

Feature walls and private digital canvases in great rooms, lounges, and entertainment spaces.

Hospitality and entertainment

Immersive surfaces for venues, with controlled luminance and performance night after night.

Retail and branded environments

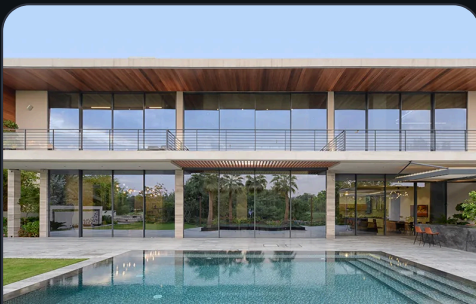
Statement walls for campaign storytelling and brand colour.

Corporate statement spaces

Lobbies, experience centres, and board-level rooms.

Projects

Featured projects published on redwood-digitalwalls.com.



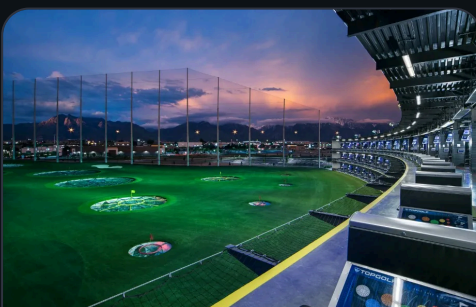
Private Palace

Emirates Hills — residential feature wall



Adriatic Penthouse

Oceana Residences — immersive digital surface



TopGolf Dubai

Emirates Golf Club — hospitality and entertainment

The digital walls site introduces these names as clients. A project description is published only for the three featured projects above.

Atelier M

Black Tap

Bread Street Kitchen

Crossfit Alioth

Define Body & Mind

Dri Dri

House of Fraser

Level Kids

Rib Room

Sun & Sand Sports

The Barrel 12

HIPA

How a wall gets built

- 01 **Brief**
The room, the audience, and what the wall needs to do.
- 02 **Design**
Scale, proportion, and how the surface belongs to the architecture.
- 03 **Engineering**
Structure, power, heat, signal, and access, drawn before anyone installs.
- 04 **Install**
Panels, framing, and finishes coordinated with the site team.
- 05 **Commission**
Colour, playback, and a handover operators can use.

Why Redwood

Published technical notes, without a single number standing in for every wall.

Pitch follows distance

Closer viewers usually need a finer pitch. A wall seen from further away can use a coarser pitch. Pitch is sized to viewing distance, content, and budget.

Power and heat in design

The wall is an electrical load and a heat source. Supply, heat, and access are settled in design.

Indoor and outdoor differ

Outdoor walls and bright window lines need higher brightness and a service method for that exposure. The same product is rarely right for both.

Service access

Front or rear service is chosen with the architecture, because it sets the recess and how a module is reached later.

Part of the Redwood Tech Group

Redwood Digital Walls is part of the Redwood Tech Group. The other brands are listed here.

Redwood Tech Group

The group

Redwood Tech

Residential systems integration

Redwood Lifestyle

Atmosphere for private homes

Redwood Cinema

Private cinemas and screening rooms

Redwood Lighting

Architectural lighting

Redwood Venues

Performance venue AV

Redwood EV

EV charger installation and maintenance

Redwood Store

Online retail, coming soon

Contact

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Red Wood General Trading LLC, trading as Redwood Technologies.

Part of the Redwood Tech Group. Since 2011, Dubai.

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