NEWSROOM COMPUTER SYSTEM FOR MACOS

Neo Newsroom

The story is the atom.

Neo Newsroom is the newsroom computer system (NRCS) for television and digital news. One story record carries the script, the prompter text, the web article, the social copy, the graphics and the media. The rundown, the prompter and every platform are views of that one record, so a change made once appears everywhere. Neo speaks MOS to playout, graphics and prompters, and the whole newsroom runs on a single Mac.

One story, every screen

Broadcast, prompter, web, YouTube, Facebook and short-video versions of one story.

Air is sacred

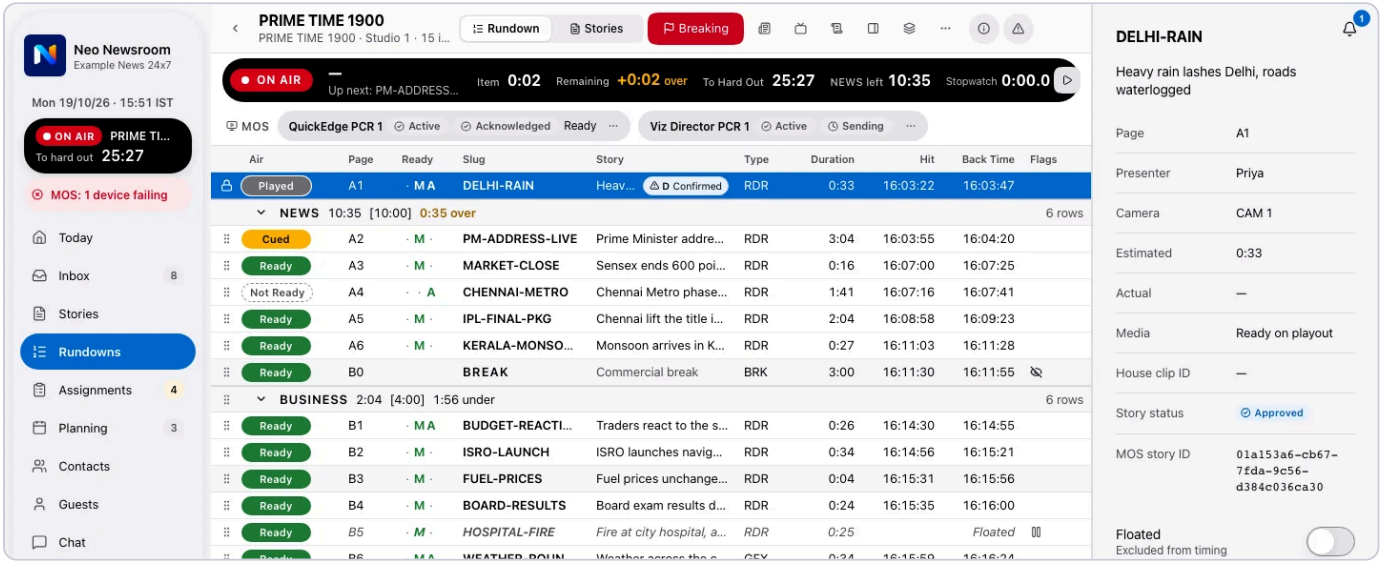
Nothing reaches air or a platform without a named person's approval. AI proposes; journalists decide.

Your news language

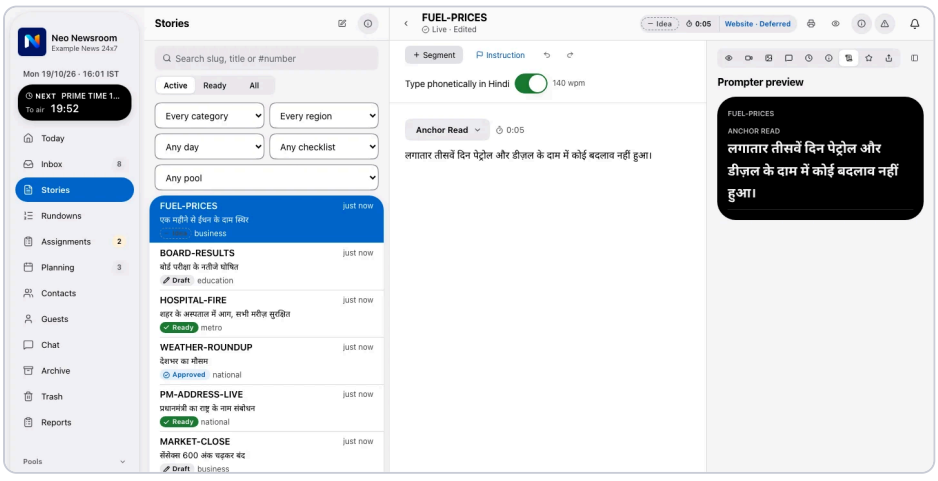
English, Hindi or Tamil, with phonetic typing, timing and print shaping.

One Mac mini, one newsroom

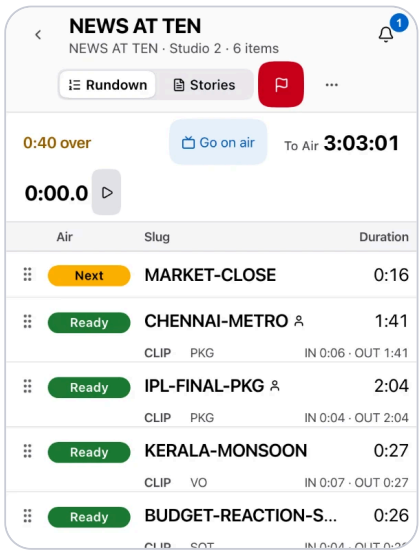
88% cheaper and 87% less power than a broadcast server. 60 people at once in Skycast's stress test.



Rundown on air. Live timing to the hard out, MOS device status, and each row's air state straight from playout.



Story editor. Phonetic Hindi typing, reading-speed timing and a live prompter preview.



On the phone. Rundown, approvals and capture.

Technical specifications

Native macOS 15 or later on Apple silicon

Editorial

- One story record, many versions: broadcast, prompter, web, Facebook, YouTube, short video
- Typed segments: anchor read, VO, SOT, package, live, graphic, break
- Live co-editing with presence; history with word-level comparison
- Approval gates for editor, legal and managing editor
- Cue cards with device state, in, duration and out
- Story formats, categories, regions, daily story numbers
- Production checklist flags; air window per story

Rundowns

- Fast grid for 200+ rows; custom columns per show
- Live timing, back-timing to a hard out, over/under, floats
- Locks during air with producer override and audit
- Air state from playout: cued, playing, played
- Automatic bulletin lifecycle; read-only after air
- Show schedules; breaking-news insert; pools of ready stories
- Print and PDF with Hindi and Tamil shaping; CSV, Excel, JSON
- Browser prompter and control-room wall board

MOS and broadcast

- MOS 2.8.3 and 2.6; profiles 0, 1, 2, 3, 4 and 7
- Playout, graphics and prompters on one rundown at once
- Story-level updates, strict acknowledgement, auto resync
- House clip IDs, house-file render and delivery to playout
- House format XDCAM HD422 MXF 1080i50; ProRes 4444 for keyed material
- Neo Viz Gateway (optional); HTML plugin host
- MOS simulator for testing and training

Works with

Meridian Playout · Karthavya QuickEdge · Grass Valley · Etere · Primestream · SI Media · Sony · Vizrt · WASP3D · ClassX · Autoscript · Cuescript · Telescript · Samvad · VSGP · Adobe Premiere Pro

Ingest and media

- Agency landing zone over SFTP, FTPS, FTP, with growing files
- RSS, Atom, NewsML-G2, NITF, JSON, XML feeds
- IMAP, Microsoft 365 and Gmail mailboxes; WhatsApp forwards
- Resumable uploads; watch folders; live recording over SRT, MPEG-TS, RTMP, NDI
- Breaking-news lane; deduplication; clustering; provenance
- Black, freeze, EBU R128, frame-rate and alpha checks; C2PA
- Rights, expiry and embargo at every output

Media AI on your servers

- Speech to text in English, Hindi and Tamil (whisper.cpp)
- Text-in-picture reading in all three scripts (Tesseract)
- Scene and object tags; never identifies people

AI assistant

- 14 story tools: draft, translate, rephrase, headlines, tags, lower-third, social post, fact check and more
- Every result is a proposal a person confirms
- Fact guard for numbers, names, places, dates
- Personal data stripped before any request; all requests audited
- Off switch, model per task, monthly budget; MCP server

Publishing

- Website (WordPress or REST), YouTube, Facebook, X, Instagram
- Tiered approvals, quota budgets, pre-flight checks
- Clips from air with captions, vertical renders and C2PA signing
- Scheduling, embargo, kill switch, takedown, sandbox

Collaboration and planning

- Desk channels, messages and story threads
- Teams, Slack and WhatsApp connectors
- Assignment desk, planning calendar, contacts with protected sources, guest booking, stringers
- Reports by newsroom, desk and person

Security

- 2-step verification; sign-in works offline
- OAuth 2.1 for apps, services and AI agents
- 12 built-in roles plus custom; per-desk permissions
- Full audit trail; per-record encryption of contacts

Clients and platform

- Web app for desktop, tablet and phone; Android and iOS app; Premiere Pro panel (25.6+)
- Native on macOS 15 or later, Apple silicon
- Node.js, Go, PostgreSQL, NATS JetStream
- Continuous backups, point-in-time restore, training instance
- Delivered on USB with checksums; no licence keys

Neo Newsroom on a Mac mini compared with a typical broadcast server (Intel Core i9, NVIDIA RTX 5070)

88%	87%	98.4%	95%
cheaper	**less power**	**less space**	**quieter**
₹80,000 vs ₹6,50,000	65 W vs 500 W+	0.8 L vs 49 L (4U)	5 dBA vs about 50 dBA

Watch a bulletin come together in Neo Newsroom.

contact@skycast.in

Device profiles are a starting point; settings are confirmed with each vendor on integration day. AI drafting uses Anthropic Claude with your organisation's own key. Mac mini figures are Apple's specifications for Mac mini (2024) with M4; server figures are Intel, NVIDIA and Supermicro ratings and typical Indian prices. Mac, Mac mini and macOS are trademarks of Apple Inc. All other names are trademarks of their respective owners.