



L E A D I N G T H E W O R L D I N 4 D T E C H N O L O G Y

Why the Simnoa 4D theater solution?

- 1 FUN:** we enjoy inventing and delivering the perfectly best 4D experience. Period. (How?- see below)
Even more, we enjoy watching you riding our comfort seats saying “W O W” :-)
- 2 Our philosophy** is to listen to our customer and then provide a customized Easy to install, Easy to use, Easy to maintain 4D package. We implement this by providing a comprehensive 4D Theater solution and guarantee to deliver to each customer a perfect 4D package including whatever is required and wherever the location.
- 3 A – Z solution:** Simnoa is a one-stop-shop for 4D solutions including: understanding customer’s special needs, customizing necessary drawings and schemes, supervising installation, enabling 2D / 3D / 4D movie licenses and customized production, performing off and on-site Quality Assurance processes, training locally, committing to long term support, integrating the top-of-the-line AV system and providing the advanced SmartChair™ system that combines cutting edge seat movements, control technology and top of the line effects system.
- 4 SAFE:** Our technology complies both with the European and the American Safety and EMC standards.
- 5 Attractive partners program** especially for entrepreneurs all over the globe, including owners of attraction centers, movie theater complexes, education centers, museums and famous tourism locations worldwide.
- 6 Competitive Price** and fast ROI (Return on Investment) program*.
- 7 Lowest Total Cost** of Ownership (TCO) and High Reliability:
 - a. Our electronic-based system provides an extremely reliable maintenance-free solution for our customers while keeping their peripherals costs low, thus avoiding the need for big compressors with their high maintenance costs.
 - b. Self Programmable Module- User friendly and open show programming software enables the client to perform his own show programming.
- 8 High Reliability:** Designed to operate for many years without failure. You can rely on Simnoa’s experienced team who since 1993 has delivered successful 4D theaters in North & South America, Eastern & Western Europe, Asia and the Middle East.
- 9 Simnoa’s famous W O W effect secret.**
We simply utilize state-of-the-art technology to support the best 4D experience:
 - a. High-End 3D Video Server- Enabling both HD and SD formats to run on the same Video Server, and to achieve perfect synch between channels.
 - b. Special comfort seats design- Comfortable cinema seats designed not only for short but also for long movies. For no extra cost, we offer our customers the choice of their favorite chair fabric including leather.
 - c. Personal Speakers: Two speakers located in the headrest are designed mainly for special effects soundtracks.
 - d. Comprehensive Effect package- 10 different state-of-the-art effects package, including a unique vibration effect enabling full vibration control with variable frequencies. (See illustration of the effects as part of the seat unit below).
 - e. Low noise figure- Using best-in-market electrical German Engines, we have managed to reduce to a minimum the noise of the smart chair movements. In comparison to hydraulic or pneumatic systems, the difference in the noise level is quite impressive.
- 10 Superior motion:**
 - a. Tilt Motion (Pitch): Two-directional tilting of variable speeds and accelerations includes a fast-falling movement.
 - b. Continuous Wave Motion: Our patent pending up & down continuous motion in variable speeds results in a gentle flying-like feeling.
 - c. Sway Motion: Sideways Swaying, in variable speeds and accelerations.
 - d. Combined Motion: Enables both Tilt and Sway motions simultaneously.
 - e. Ride mode: Ride mode or Joystick mode for extreme ride scenes.
 - f. Seating control system: Perfect synchronization between the film and all seat units, both on motion & effects in a 20ml second resolution (better than frame resolution).

SIMNOA TECHNOLOGIES LTD.

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Simnoa 4D Project Locations



L E A D I N G T H E W O R L D I N 4 D T E C H N O L O G Y

	Simnoa 4D Seats	Pneumatic 4D Seats (used by other 4D manufacturers)
Flight/Continuous Mode	Smooth motions, resulting in especially pleasant feelings, allowing experience of waves, flight, dive & slow motion. This feature allows pleasant feelings for long films (longer than 10 minutes).	No option for Continuous mode. The 'Jumpy' movements are only appropriate for short scenes.
Ride Mode	Extreme motion for extreme scenes. Accurate motion due to the ability to control speed and acceleration.	No control on Speed and Acceleration.
Noise	Using best-in-market electrical low noise German Engines (SEW – maintenance free) allowing the ultimate experience of high quality sound system.	Due to the Air-based operation of the pneumatic system, the movements are noisy and disturb the sound experience.
Control System	Using a 'closed loop control system' assures the unity of motion of all seats within a 20 mil seconds accuracy (half a frame).	Using simple broadcast technologies results in less accurate movements and some differences between the units.
Cinema seats	Superior Comfort cinema look & feel seats can be used both for long and short films.	Theme park look & feel seats designed mainly for short rides.
Motion & Effect Package	The most comprehensive motion + vibration + built-in 10 effects package.	Usually up to five 4D effects.
Reliability	Designed to operate for many years without failure.	Variable qualities that require maintenance
Standards	Compliance with European and American Standards for Safety and EMC.	Most vendors do not specify Standard compliance

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