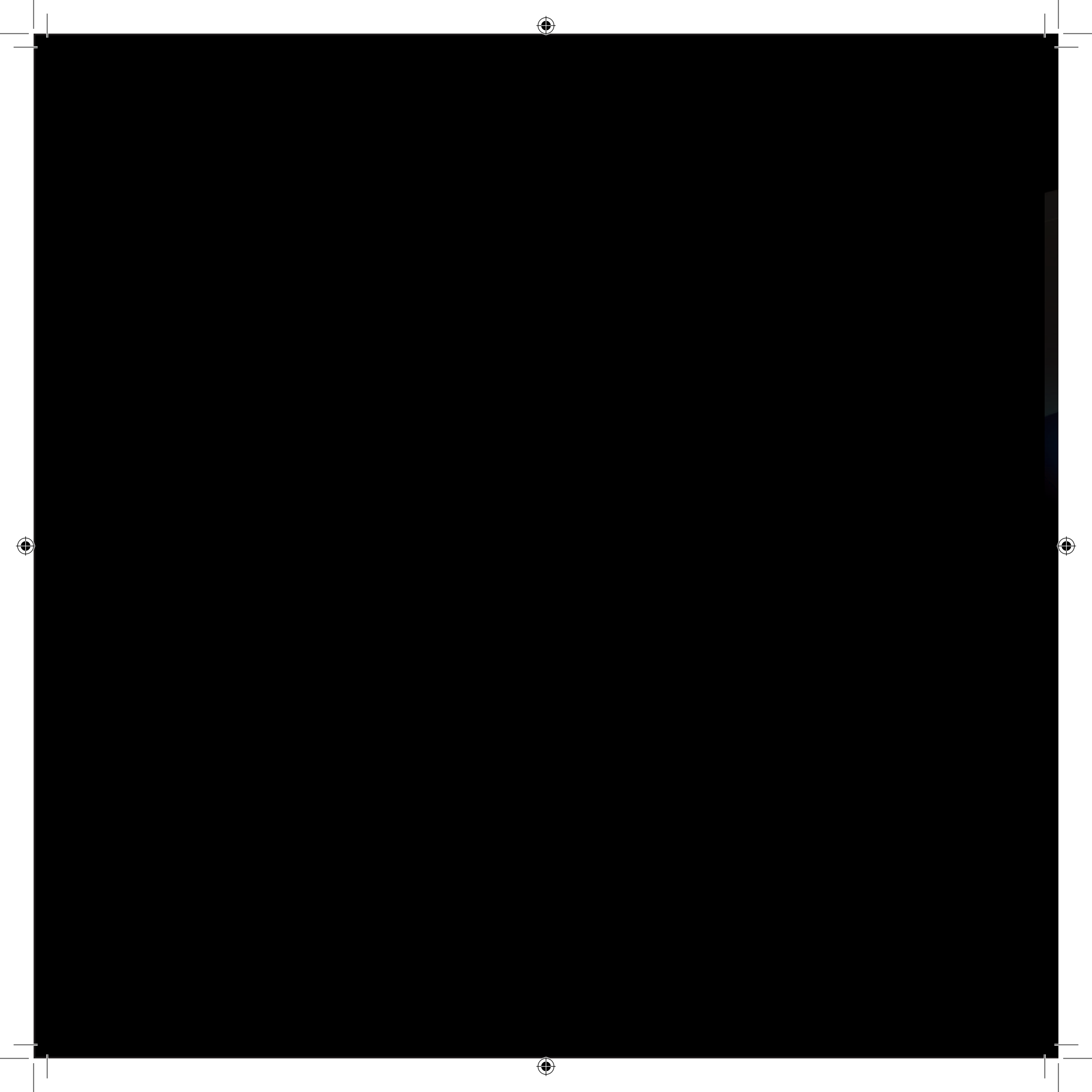


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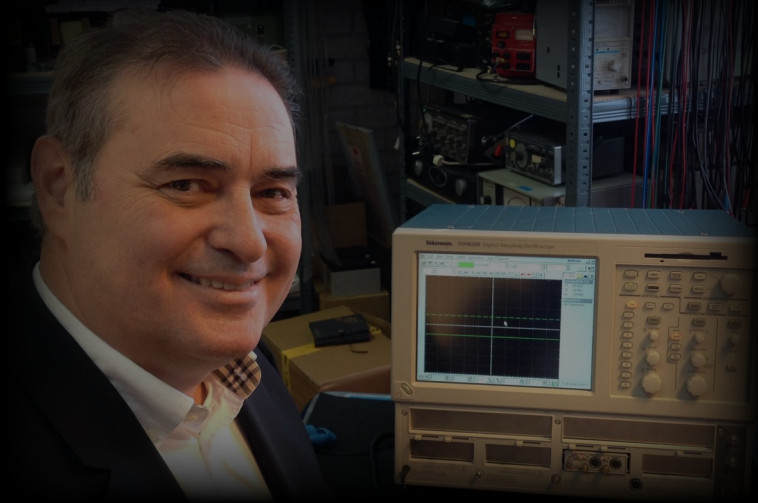
SAGA

Structural Analogue Gain Amplifier





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*“For quite some time my desire was to make an ultimate attempt to design an amplifier free of all artifacts we know off. More musical, more involving, more realistic, able to drive just any type of music with any type of loudspeaker.*

*The many hours, weeks, months, in fact over a year of delay before final delivery, have resulted in all I wanted to achieve”*

*Edwin Rynveld, CEO Siltech*

# SAGA

## *Sophisticated Simplicity:*

*Siltech Structural Analogue Gain Amplifier - SAGA*

Quantum leaps are not everyday things in the evolution and development of high-end audio. Yet that is what happened when the Siltech engineering team, led by Edwin Rynveld, developed a new amplifier topology, the Structural Analogue Gain Amplifier: SAGA.

Sagas usually start with a quest. Siltech's quest has always been the reproduction of sound at the highest level of integrity and excellence. Sound quality heavily depends on design choices: the way circuits are conceived, the influence of individual components, materials for conducting signal and the shielding against external noise sources, to name just a few. The Siltech engineers have studied sound performances extensively for decades: it also forms the basis of all Siltech cable products.

Every unique Siltech conductor is designed to keep the sound signal as pure as possible. The same design philosophy was used to keep the alteration of the sound in the Siltech Pantheon loudspeaker to an absolute minimum. It is also the reason that the limited edition Siltech SEPA (later renamed SETA) power amplifier from the end of the previous century is still a much sought-after product by connoisseurs.

*SAGA C1* Control Amplifier





### *Driving with the brakes on*

Siltech engineers were convinced that the concept of gain structure in amplifiers needed a serious rethink. Although hardly ever discussed, every audio installation has a gain structure. Ideally this should be, as its name implies, structural. Standard practice is to attenuate the output of modern digital sources like cd, sacd, music server or d/a-converter to the 'old habit' standard, only to be re-amplified to drive a speaker. This comes at the needless expense of 6-10 dB of dynamic range.

Simply put: it's like driving with the brakes on. Obviously, a complete rethink of the gain structure was sorely needed.

### *Current insight*

The SAGA amplifier hardly attenuates the input signal, thus preserving the original dynamic range offered by analog or digital sources. In ordinary language, the noise of a SAGA amplifier will sound half as 'loud' as the noise of a conventional amplifier.

Since it is this noise that masks the micro-details in music, it inevitably limits the dynamic range. For the SAGA amplifiers to reach such an astonishingly low noise level, the power supply and grounding has to be perfect. The C1 Control Amplifier and V1 Voltage Amplifier run entirely on batteries, including the tube filament supply and the 380V high voltage supply.

*SAGA V1* Voltage Amplifier







### *Siltech Apollo LightDrive system*

The fundamentally new power amplifier is nothing short of revolutionary: it is driven by light. Siltech engineers came up with a perfect patent pending solution allowing the P1 to operate as if there is no connection to the AC mains. The SAGA P1 Apollo LightDrive system is the first audio component in the world to be light-power controlled. Named after the ancient Greek God Apollo (God of light, music and poetry) this system uses a unique patent-pending light generator to operate totally free of the artifacts stemming from AC fluctuations and distortions. A source of electricity that is pure, stable and free of aging. The P1 Apollo's ultra-powerful light source is hermetically sealed as it would otherwise blind you instantly.

This light is converted to the current needed to independently operate the drive section of the P1 without any interference from AC or magnetic fields. The result: a signal to noise ratio and PSRR ratio never seen before in an amplifier. The Siltech SAGA P1 Apollo LightDrive system is literally driven by the force of light. Its musical performance is enhanced with a speed that is beyond belief, a density of timbre and pace beyond comparison, and an indescribable magic to the sound that matches the poetry and craftsmanship that go into every musical masterpiece.

*SAGA P1 Power Amplifier*





### *Endurance*

Using the SAGA amplifier set could not be easier. Just switch on the amps, select the input, set the volume and you will have 12-15 hours of uninterrupted music without the need of recharging its batteries. Included is a top model Harmony remote that can be easily programmed to control all your other audio and video equipment intelligently. After being switched off the amps will automatically recharge and condition the batteries. For the rare occasion one needs over 15 hours of continuous playtime, there is a play-and-charge mode that does both at the same time. The batteries will last typically more than five years and are safety-light types that are affordable and available in every country. And that's not even half of the story.

### *Concert hall experience*

The SAGA amplifier in combination with quality sources, cables and loudspeakers will bring you the closest you ever have been to experiencing the concert hall at home. Never before has an amplifier been this quiet and surpassingly transparent in sound. The SAGA amplifiers contain valves but do not sound like valve amps, they contain solid state circuits but do not sound like solid-state amps. The SAGA series amplifiers do not impart a style of sound; they are almost perfectly transparent and fully capable of supplying a real-life projection of sound instead of just a photo facsimile. They are exceedingly fast without being harsh, open without being overly bright, and possess a natural sense of pace, rhythm and flawless timing. In a way you could say that the sound quality of the SAGA amplifiers is unheard of. Conceived, manufactured and assembled in The Netherlands by a skilled team of technicians who are proud of the page they have just turned in audio history.

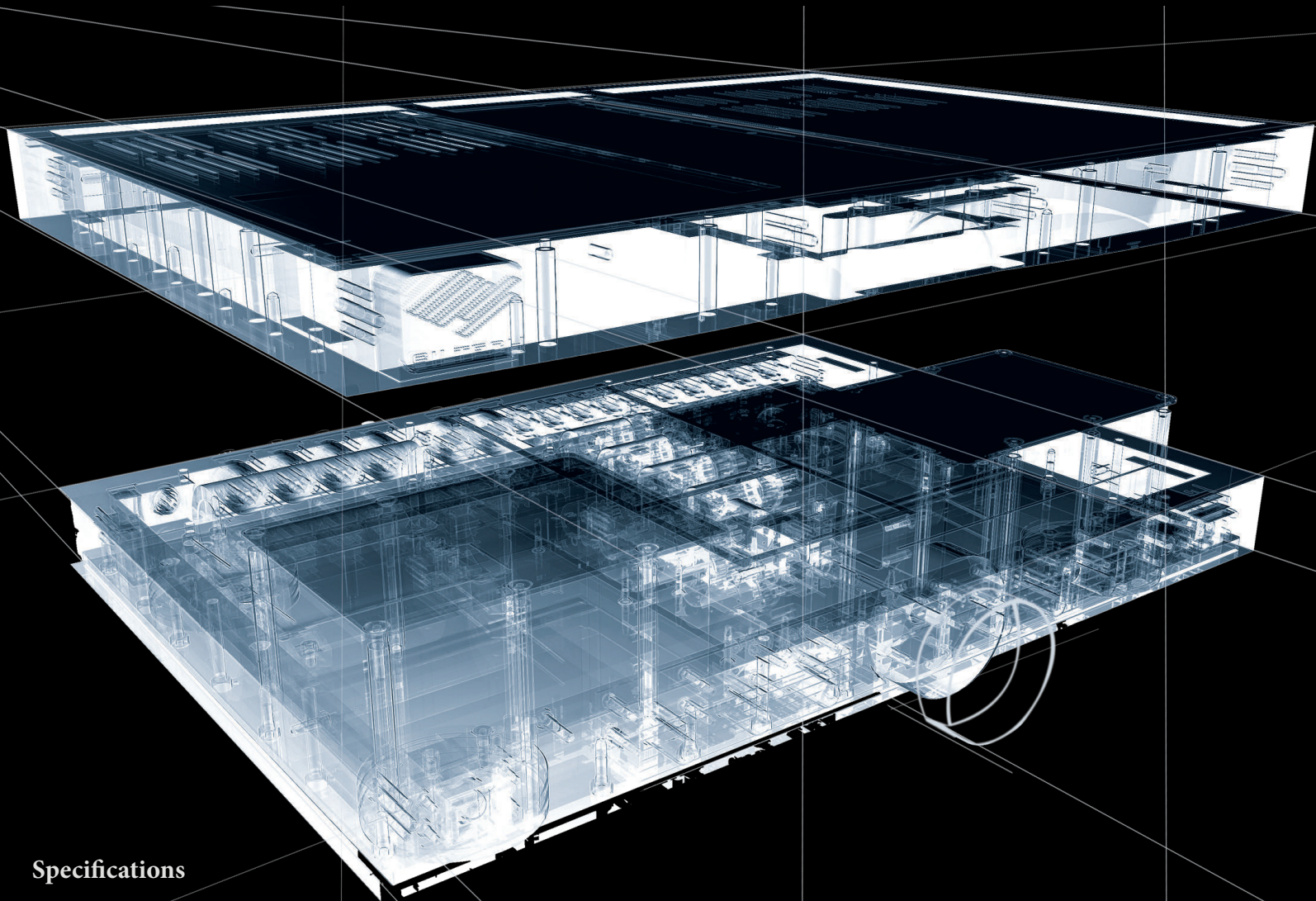


Structural Analogue Gain Amplifier



Siltech SAGA

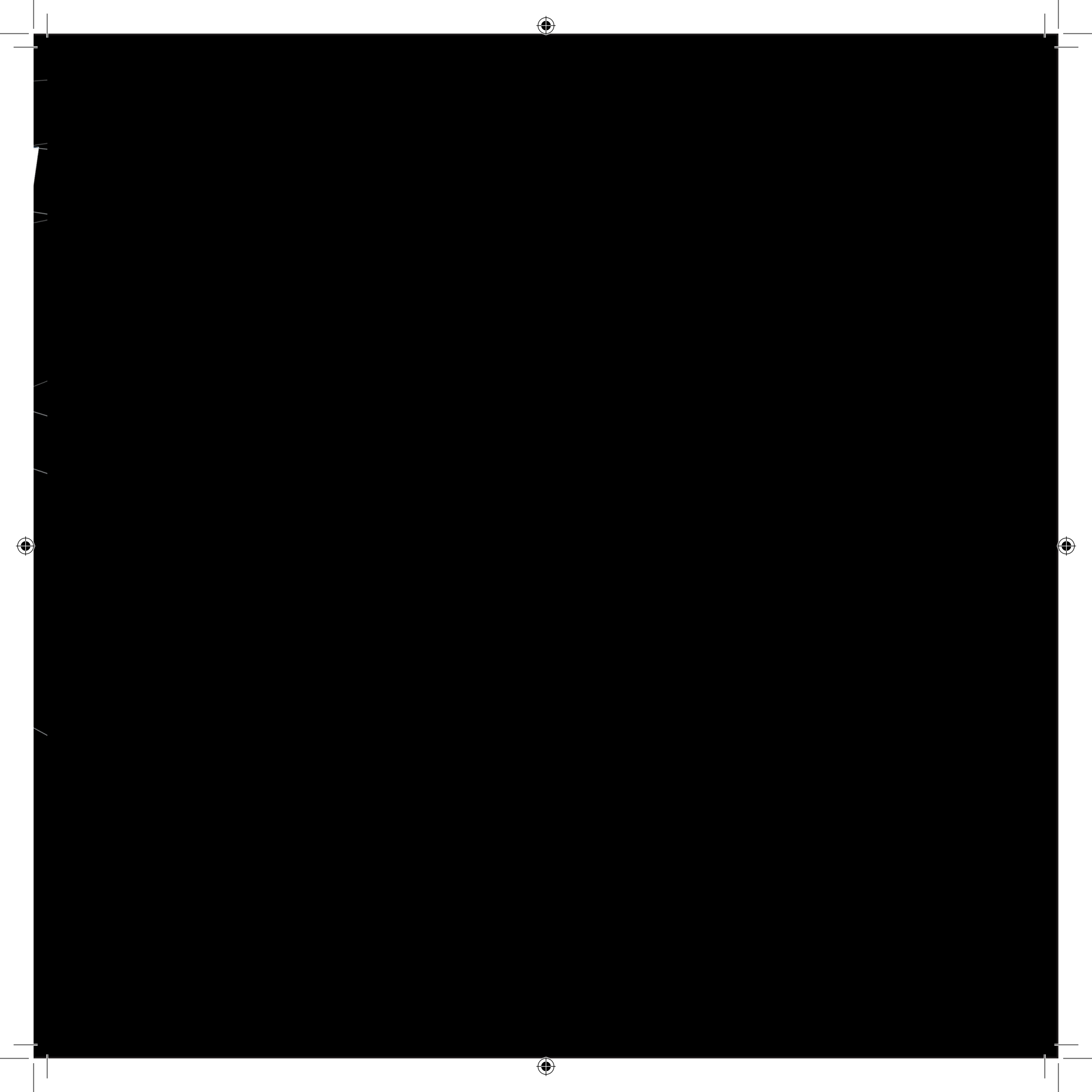
*“Beautifully built, superbly finished, stylish and conceptually elegant, the Siltech S.A.G.A. introduces a novel topology, mixes established and cutting-edge technology and does it in a genuinely cost no object, no compromise form.” Roy Gregory, The Audio Beat*



## Specifications

### Total SAGA system (C1, V1 and P1)

Total bandwidth:	>100kHz, volume control any position
THD:	<0,01%, 2nd harmonic only, 1Hz - 100kHz/1W
Dynamic range:	128 dB
Damping factor:	100@10Hz-20kHz (8 ohm)
Power output:	380W rms in 8 ohm 760W rms in 4 ohm 1250W rms in 2 Ohm
Minimal load:	2 ohm





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[www.siltechcables.com](http://www.siltechcables.com)

Models and specifications are subject to change without prior notice.

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