

The Mission

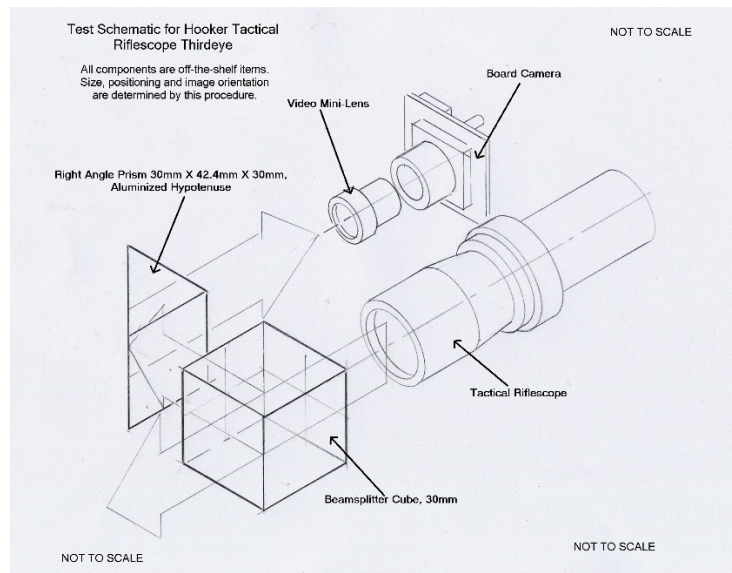
1 THE MISSION STATEMENT: “TO PROVIDE SAFE PASSAGE”

The mission statement indicates we will invent, patent, manufacture, market and deliver products, precision manufactured to save lives. The products will be based on light path technology. These products will be useful in the fields of communications, transportation, education and safety & defense.

2 LIGHT PATH TECHNOLOGIES (PATENTED)

Definition of Light Path: A section of an optical network in which light travels without being modified.

Therefore, light traveling along a designated path cannot be modified and the resulting images may be trusted implicitly.



How light is managed requires an understanding of the technical aspects of light traveling through mediums, such as lenses and liquids and atmosphere. The Optical Path of light is defined as:

Definition of the Optical Path: the path of light through a medium, having a magnitude equal to the geometric distance through the system times the index of refraction of the medium.

2.1 WHY IS “LIGHT” AND CONTROLLING A “LIGHT PATH” SO IMPORTANT TO PERFECT COMMUNICATIONS, TRANSPORTATION, EDUCATION, AND SAFETY & DEFENSE?

- 2.1.1 First you must understand what Light is capable of doing...you learn that light is the notebook of the Universe, the perfect recorder of past and present and future. It is the rule book. It manages the order of the worlds, and the growth of living things. In it resides the truth. To capture the light and read its messages is the surest means of knowing what is true.



Many agencies are studying light in all of its forms.

This is an excerpt from studies reported in the *National Geographic Magazine*, and reported in language that is easily understood, as science can be less than simple when the discussion of *light* comes forward.

So much is being accomplished through the study of light, including new ways to manage electricity and harness enormous power, gleaning ancient information from the light, and all at the speed of light or even greater.

- 2.1.2 What is evidenced in the 20 years of research and product develop, resulting in the Third Eye Eye Cams, is a simplicity that is dependable and correct; useful for surveillance and sniper management, and early warning through trusted data gathering.



The Third Eye Eye Cams is only the beginning of product development that will soon provide perimeter defense, mass communications capability within a secure and private network that cannot be tampered or invaded without the personal key, a key that can rotate and change irregularly to keep intruders on the outside of private conversations.

The lightpath “networks of light” can change to assure complete security faster, and with total compliance; defying the usual methods of hacking and capturing data that requires the current system of privacy protections, these permitting access whenever the system is in use.

Lightpath networks overcome these threats with the simplicity that is true light.

- 2.1.3 Republished from the pages of *National Geographic* magazine
Excerpts are written by Joel Achenbach

Excerpts of the original article are re-organized for this document

NIF Project: What is light? How do we manage it?

Quoted, “I got a piece of the answer from the world’s largest laser, the National Ignition Facility. NIF is under construction at the Lawrence Livermore National Laboratory about an hour east of San Francisco. The laser is actually 192 lasers in collusion—or perhaps one should say collision. The 192 individual beams of light, grouped in bundles of four, will travel the length of a hulking building 700 feet (213 meters) long and 400 feet (122 meters) wide. Entering a switchyard of mirrors, each bundle will ricochet and shoot through one of 48 portals of the target chamber. The chamber is the star attraction of the facility. Its 30 feet (9.1 meters) in diameter, weighing a million pounds. The portals give it a dimpled surface that brings to mind an enormous golf ball from outer space.”

“Inside the chamber the laser beams will crash into a gold-plated cylinder, slightly smaller than a bite-size Tootsie Roll, with a gas-filled pellet inside. The gases in the pellet, under the pressure of all this light, will compress to the point where they achieve nuclear fusion.

‘The goal is to create a miniature star in the laboratory,’ said Ed Moses, the NIF project manager.

This is, to say the least, an ambitious project, and its 3.4-billion-dollar price tag has not eluded critics. They note that NIF may never actually produce a fusion reaction. Technologically, this is not a slam dunk. No one has ever successfully used light to drive together atomic nuclei. The big laser will let scientists study thermonuclear reactions without detonating a bomb. A long-term goal of NIF is to clear a technological path toward a source of cheap, inexhaustible, pollution-free electricity.”



The ESGORTS project described in this document is an invention that uses light and sensors to assist the transportation system to have perpetual electrical energy, making sure the vehicles on the network are always

moving and supplied with unlimited capability to move people and products over a network of sensor tagged “I” beams, and Electronic Self-Guided Overhead Rail System (ESGORTS) that can change the course of transportation, provide environmentally clean transportation, at high speed without accidents, and in comfort, like driving your own vehicle. Light can develop this energy when harnessed properly. The ESGORTS project began in 2001 and was submitted for the 2002 Olympics for secure transportation of athletes from the Olympic Village to their venues and then reviewed by the Orlando City Council as an alternative to bus service from the Orlando Airport to Disney World. Both systems were below the costs of other competitors and required less impact on the environment, and had lower maintenance costs, however they were declined because “light” based products were hard to conceive of as being practical and dependable. Now 13 years later, light is emerging as the communications evolution of the 21st Century.

“‘NIF will produce more power in a one-nanosecond laser pulse than all the power generated in the rest of the world at that moment,’ said Vaughn Draggoo, the physicist who showed me the target chamber.’

“How is it, I asked Moses, that light is such a useful source of energy?

Because you can compress a lot of light's energy in a very small point,” he said. “Children, he noted, discover this when they play with a magnifying glass on a sunny summer day.”

‘Here we come to one facet of the miracle of light. It has no volume. And photons have no charge, so in the process of being concentrated into a very small space, they don't repulse each other as negatively charged electrons do. (NIF will fit 4×10^{24} photons into the target capsule.) ‘They don't bother one another’ is the way Moses puts it.”

‘How many angels of light can dance on the head of a pin? In theory, an infinite number.’

2.1.3.1.1 Aristotle

Quote: “As hard as it is to understand light, the ancients had it that much harder. Lacking scientific instruments, they could probe the nature of light only with their inventive minds. ‘Light is the activity of what is transparent,’ was one of Aristotle's rather opaque declarations. This transparency was an essential property of various substances; when activated by sun or fire, it produced light and color.”

2.1.3.1.2 Empedocles, Plato, Euclid

Quote: “The fifth-century B.C. philosopher and poet Empedocles had the brilliant intuition that light is a streaming substance emitted by the sun and that we are not conscious of its movement because it moves too fast. But he also subscribed to the notion of the “fire within the eye,” comparing the eyes to lanterns. Many Greeks, including Plato and Euclid, shared this belief that the eyes produce some kind of visual ray. It explained the curious fact that sometimes we look in the direction of an object but fail to notice it immediately. The ray, it was surmised, must strike the object directly before it can be seen. Aristotle was among those to point out that if this were true, we'd be able to *see in the dark*.”

2.1.3.1.3 Alhazen, Leonardo da Vinci, Descartes

Quote: “A thousand years ago the Arab scientist Alhazen argued that the pain we feel when we look at the sun is evidence that the light is entering the eye and not the other way around. Centuries later Leonardo da Vinci realized that the eye is akin to the camera obscura, pioneered by Alhazen, in which light passes through a pinhole into a darkened room and casts an inverted image of the exterior world onto a wall. Descartes later did a rather dramatic examination of the eyeball of an ox, scraping away the back of the eye and peering through it. He saw that the eye captures an inverted, upside-down image of the world. Why doesn't the world look upside down? Because our minds correct the image. Sight has both a physical and psychological element.”

2.1.3.1.4 Sir Isaac Newton and James Clerk Maxwell

Quote: “Light soon passed through the laboratory of Isaac Newton and never looked the same again. In the 1660s Newton demonstrated that white light is composed of all the colors of the spectrum. Using a prism, he broke sunlight into a rainbow, then later used a second prism to cohere the colors back into white light.

‘Whatever light be,’ he told the Royal Society in 1675, ‘I would suppose, it consists of Successive Rays differing from one another in contingent circumstances, as bigness, forms, or Vigour, like as the Sands on the Shoar, the Waves of the Sea, the faces of men, and all other natural things.’

Newton believed that light was particulate—‘Similitudes of unimaginable small and swift Corpuscles of various Sizes, springing from Shining bodies at great distances one after another.’ Newton was such a giant on the scientific landscape that his rivals had little luck pushing the theory that light is a wave. The wave theory did not begin to rebound until the titans of 19th-century science joined the battle to understand light and overwhelmingly came down on the side of waves. It was James Clerk Maxwell, a Scot, who in the 1860s made one of the most essential breakthroughs. He had been studying electricity and magnetism and realized that they propagated through space at—coincidence—the speed of light. *Light, he concluded, is an ‘electromagnetic’ wave.’*

2.1.3.1.5 Sydney Perkowitz, Max Planck

Quote: “The particle versus wave debate wound up with a kind of truce, governed by quantum mechanics: Light is produced by changes in the energy level of electrons. Light moves through space as a wave, but when it encounters matter it behaves like a particle. It simply doesn't fit into one of our neat little categories. ‘Light, indeed, is different from anything else we know,’ writes Sidney Perkowitz, a physicist at Emory University and the author of *Empire of Light*. The era of permanent uncertainty began in 1900, when Max Planck's experiments with heat radiation implied that light pounded against matter in discrete chunks—quanta, he called them—like bullets from a machine gun. This seemed contrary to Maxwell's equations, and Planck was reluctant to believe it.”

2.1.3.1.6 Albert Einstein

Quote: “Enter Albert Einstein. It's common knowledge that Einstein, in promulgating the special theory of relativity, destroyed the mechanical, deterministic Newtonian universe. He achieved this theoretical breakthrough by thinking about...yes, light. Einstein did ‘thought experiments,’ and in one he asked what would happen if you could ride a beam of light and look at an adjacent beam. Wouldn't the adjacent beam of light appear motionless? Maxwell's equations didn't seem to allow light to slow down or stop when moving through space. Einstein's answer—that light's speed is constant for all observers regardless of their own velocity—obliterated the classical conception of space and time.”

2.1.3.1.7 Albert Michelson, Edward Morley

Quote: “The groundwork was laid for Einstein by a famous experiment in 1887 by American scientists Albert Michelson and Edward Morley. The Earth, according to the orthodoxy of the time, moved through a fixed ether that filled space. No one had ever detected this ether, but common sense required its existence. Michelson and Morley set out to detect it by measuring the speed of light when light beams traveled with, and perpendicular to, the motion of the Earth. They expected light to show the effects of the “current” of this ether as Earth hurtled along. It didn't. The speed of light was the same no matter its direction. Scientists, including Michelson and Morley, were aghast and hoped that the results were

simply wrong. Einstein accepted them. There is no ether, he said. There's no absolute location in space. There isn't even any absolute time.

'I will confess that relativity makes my head spin. A beam of light from the headlamp of a speeding locomotive ought to move faster—says common sense—than the beam from a stationary flashlight. It doesn't. And there's nothing anyone can do about it'.

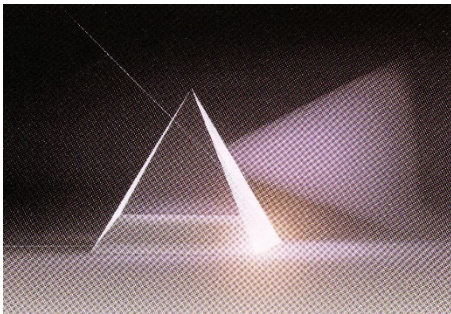
2.1.3.1.8 Einstein's Theory of Relativity (Light)

Quote: "Einstein's relativity presents all manner of head-scratching implications. It reveals that as objects approach the speed of light, time slows down. At the speed of light itself, time stops.

This fact can help us think about the journeys made by starlight and galaxylight and quasarlight across cosmic distances. We use the term light-year to express a unit of distance (about six trillion miles [9.7 trillion kilometers]). But if you were the light itself—if *you could be the photon—you'd experience no time. That long journey would be instantaneous.*"

2.1.4 Visible Light

Quote: "What we call light is really the same thing—in a different set of wavelengths—as the radiation that we call radio waves or gamma rays or x-rays. But in practice scientists often use the term "light" to mean the portion of the electromagnetic spectrum in the vicinity of visible light. *Visible light is unlike any other fundamental element of the universe: It directly, regularly, and dramatically interacts with our senses.*



Our eyes each have about 125 million rods and cones—specialized cells so sensitive that some can detect a mere handful of photons. 'About one-fifth of your brain does nothing but try to deal with the visual world around you,' says Sidney Perkowitz. The position of the eyes, semi-protected in the case of the skull close to the brain, is testament to the importance of visual data.

Light offers high-resolution information across great distances (you can't hear or smell the moons of Jupiter or the Crab Nebula). ***So much information is carried by visible light that almost everything from a fly to an octopus has a way to capture it—an eye, eyes, or something similar.***

It's worth noting that our eyes are designed to detect the kind of light that is radiated in abundance by the particular star—the sun—that gives life to our planet. Visible light is powerful stuff, moving at relatively short wavelengths, which makes it biologically convenient. To see long, stretched-out radio waves, we'd have to have huge eyes, like satellite dishes. Not worth the trouble! Nor would it make sense for our eyes to detect light in the near infrared (though some deep-sea shrimp near hot vents do see this way). We'd be constantly distracted, because any heat-emitting object glows in those wavelengths. 'If we were seeing infrared,' physicist Charles Townes told me one day, 'all of this room would be glowing. The eye itself is infrared—it's warm. We don't want to detect all of that stuff.'"

“There is also darkness in the daytime—shadows. There are many kinds of shadows, more than you probably realize—certainly more than I realized until I consulted the shadow expert. I found him at the end of a long and winding drive through Topanga Canyon, just up the coast from Santa Monica, California.

David Lynch is an astronomer. He's also the co-author of a book called *Color and Light in Nature*, in which I discovered something about shadows that I'd never thought of before. Lynch points out that a shadow is filled with light reflected from the sky—otherwise it would be completely black. Black is the way shadows on the moon looked to the Apollo astronauts, because the moon has no atmosphere and thus no sky to bounce light into the unlit crannies of the lunar surface. Only the faint glow of earthshine filled the shadowy recesses.

Lynch is a man who, when he looks at a rainbow, sees details that elude most people. He knows, for example, that all rainbows come in pairs, and he always looks for the second rainbow—a faint, parallel rainbow, with the colors in reverse order. The intervening region is darker. That area has a name, wouldn't you know: Alexander's dark band.”

“We sat on Lynch's deck and drank orange juice squeezed from fruit freshly yanked from trees in his backyard. The view was spectacular, the canyon opening like a great basin, a mountain ridge obscuring the Pacific and running for half a dozen miles (9.7 kilometers) to Santa Monica.

‘The reason those mountains over there look a little blue,’ Lynch continued, ‘is because there's sky between here and those mountains. It's called airlight.’

The sky is blue because the molecules in the air scatter blue light more readily than they scatter red, orange, yellow, and green. We see distant mountains through a mass of blue sky—hence the Blue Ridge and (thanks to poetic license) ‘purple mountain majesties.’”

2.1.5 Las Vegas

Quote: “Las Vegas is a multitude of colors—a place that takes light seriously and can't seem to emit enough of it. The Strip is more dazzling by the year. The casinos no longer advertise themselves with mere neon-lit roadside marquees but rather have turned their entire structures into eyeball-popping orgies of illumination. ‘Now the whole building is a sign,’ says longtime sign dealer Ken Moultray.

The entirety of the MGM Grand glows emerald. Fiber optics pulse light to the tower of the Stratosphere. The vertical neon stripes adorning the Rio are visible from distant mountains.

The Luxor Resort and Casino is a pyramid and, perversely, remains almost entirely dark at night, a massive black presence dramatically highlighted by the golden glass of the Mandalay Bay Resort next door. Instead of dressing itself in countless little bulbs or immersing itself in floodlights, the Luxor aims its Sky Beam—*said to be the brightest light on the planet—straight into space.*”

“I followed John Lichtsteiner, technical manager of rides and attractions at the Luxor, up three metal ladders onto the catwalk at the pyramid's peak to see the 39 xenon lamps, 7,000 watts each that create the Sky Beam. A sign warns that the lights, each about the size of a washing machine, are ‘extremely volatile’ and can explode if jarred or bumped.

Lichtsteiner explained that before a computer turns on the Sky Beam each night, strobe lights flash for 30 seconds. 'We don't want to surprise any pilots,' he said."

He pressed a button on a digital console to illuminate one of the lamps. Its light was so bright that when I put my notebook into the beam, I had to look away quickly. My pen strokes vanished, and all I could see was a rectangle of blinding white light.

We climbed above the lamps to the very tip of the pyramid. Vegas sprawled for miles in every direction. In the daytime the place is rather washed out, the colors flattened. The sparkle, the glitter, the almost hallucinatory colors of Vegas at night are obliterated in the white light of the desert sun.

'Now there's a lamp,' I said, nodding toward that natural beacon in the sky."

2.1.6 Lasers

Quote: "Light normally spreads out rapidly in all directions; a laser coheres the light in a narrow beam. The key to producing this beam is the basic atomic principle that says that photons—and now we're back to describing light as particles—*can be absorbed or emitted by atoms*.

When an electron changes from high-energy, or excited, state to a low-energy state, its atom will emit a photon. A laser exploits this process. It starts with a crystal or other medium whose atoms are prone to excitement. *These atoms are slammed with light, causing their electrons to do a little dance. When they calm down, they release excess energy as photons.* These photons, in turn, incite more electron dancing, which creates more photons—a chain reaction"

"The arrival of the laser was heralded by certain newspapers as the start of a new era of military death rays, the killer cousins of the Martian Heat-Ray in *The War of the Worlds*. But a half century ago Townes and Schawlow weren't actually sure what could be done with their invention—or with its prototype, the maser (which used microwaves instead of visible light). They just knew they'd figured out a nifty way to make light shine strong and straight.

People used to kid me, 'Lasers are a solution looking for a problem,' Townes said.

He thinks about that every time he goes to the checkout line at the grocery store, where light is used to scan the price of every product. A laser reads the CD in his CD player. Surveyors used a laser to gauge the precise property lines on Townes's New Hampshire farm. When he makes a long-distance phone call, his words are transmitted by laser light along a fiber-optic cable.

It's hard to overstate the usefulness of a tool that makes light shine straight. Laser beams fired from the Earth have bounced off mirrors left on the moon by Apollo astronauts, allowing scientists to measure the moon's distance—across more than 225,000 miles (362,100 kilometers)—to within half an inch (1.3 centimeters). Laser surgery corrects faulty vision in an increasingly routine procedure.

'When a friend comes to me and says laser surgery saved his eyesight, that's a very emotional thing,' Townes says.

2.1.7 National Synchrotron Light Source

Quote: "'Light is a universal probe,' says Michael Hart, a physicist. He was showing me around the National Synchrotron Light Source, in Upton, New York. Built in the early 1980s, it's a sprawling device of comical complexity and is, Hart says, the 'most used light source' in the world.

The synchrotron uses magnets to guide electrons around a ring that's about the size of a basketball court. Every time an electron turns a corner, so to speak, it emits a photon. The photons fly away from the ring in what are called beamlines. There are 92 beamlines in operation on two synchrotron rings, and each one has been customized with a dazzling array of mad-scientist gadgetry—dials, gauges, valves, pumps, vacuum chambers, optical sensors, wires, pipes, and lots of slapped-on aluminum foil. The different beamlines are used by researchers from universities, government labs, and places like IBM, Bell Labs, and Exxon.

What do they do with the light? Mostly they look at things—as you'd expect. They look at impurities in materials. They examine the porosity of rocks extracted from the Earth by oil drillers, eight of the beamlines are being used to study the three-dimensional structure of proteins in an effort to decipher some of the secrets of the human body.

For a while one of the beamlines was used for medical diagnostic procedure called coronary angiography. *There was one hitch in doing the examinations: Who would want to sit in front of a giant ray gun that looks as though it could burn a hole through the Earth?* The researchers constructed an examination room with a blank wall, with only the tiny numb of the beamline apparatus peeking through.

The photons here range from infrared radiations to x-rays—well beyond the range of visible light. Hart marvels that for so much human history we perceived the natural world only with visible light, that slice of the electromagnetic spectrum from red to violet. Making use of light beyond the visible realm has allowed scientists to create a new array of images of the reality around us. **'We can see a single layer of atoms on a surface,' Hart said.'**

Like everyone else I talked with who deals with light, Hart seemed almost in awe of the power of light. Technology constantly advances, allowing engineers to create ever brighter beams. The general rule, said Hart, is that brightness has increased a hundredfold every five years."

2.1.8 Lucent Technologies / Bell Labs

Quote: "The telecommunications industry loves light. When you visit Lucent Technologies' Bell Labs in Holmdel, New Jersey, you're greeted with a sign saying 'Welcome to Photon Valley.'

There has arisen something almost like a high-tech cult of light in this industry, built around the belief that human beings will increasingly exploit the almost infinite amount of bandwidth found in a light beam.

Kathy Szelag, a vice president with Lucent's Optical Networking Group, told me, 'People like my parents think we're in the *Star Wars* part of optical networking. We're really in the crude oil part of optical networking. We're just at the beginning.' Her colleague Bob Windeler, an optical-fiber researcher, added, **'The amount of information you can put on a fiber more than doubles**

every year.' In theory a single fiber could someday transmit every phone call on Earth simultaneously."

The optimism has been tempered of late by business woes among telecommunication companies, but the technology remains impressive. Take, for example, wavelength division multiplexing. Lasers are used to beam different wavelengths of infrared light down a single fiber. **Each wavelength is its own data channel—its own pipe. Right now, a fiber can carry dozens of these channels, but that could become thousands or even millions. "It's as close to a miracle as there is," says Dave Bishop, Lucent's vice president of optical research—sounding very much like all the other light-crazy people I'd talked to.**

George Gilder, a conservative political theorist who transformed himself into an influential technology guru, has declared in recent years that **light will be the medium of a communications revolution.** "You can envision a point where everyone in the world could have his own wavelength," says Gilder. "You'd have one wavelength that connected you to the person you wanted to address in Vienna or Tokyo or Tierra del Fuego, and this wavelength could easily accommodate three dimensional images. You could have conversations in which you forget within literally seconds that the person is not present. You see a face, the images saturates your own optical capabilities."

He adds, **'I believe that light was made by God for communications.'** What orthodoxy-busting cosmic information will starlight deliver to our telescopes? Will the rotating disco ball ever make a dance-floor comeback? Above all, you have to wonder: Will we ever fully understand light?"

2.1.9 Physics, Chemistry, Computer Science Research

Quote: "We have spent thousands of years chasing sunbeams, and even if we never quite catch them, we still discover many a marvel in the pursuit. Modern physics, with its paradoxes and uncertainties, emerged from the study of the interaction of matter and light. Modern cosmology, including the stunning revelation that the universe is expanding, came from the scrutiny of faint galactic light. Modern computer engineering may eventually turn to light, crafting devices that, instead of silicon chips, have light beams at their core.

There have been recent headlines about scientists finding ways to make light go faster than the speed of light. This is what science fiction writers and certain overly imaginative folks have dreamed of for decades. If you could make a spaceship that wasn't bound by Einstein's speed limit, you could zip around the universe far more easily.

Lijun Wang, a research scientist at NEC Research Institute in Princeton, New Jersey, managed to create a pulse of light that went faster than the supposed speed limit. 'We created an artificial medium of cesium gas in which the speed of a pulse of light exceeds the speed of light in a vacuum,' he said. 'But this is not at odds with Einstein.' Even though light can be manipulated to go faster than light, matter can't. Information can't. There's no possibility of time travel.

I asked Wang why light goes 186,282 miles a second (299,792 kilometers per second) and not some other speed.

'That's just the way nature is,' he said.

There are scientists who don't like 'why' questions like this. The speed of light just is what it is—that's their belief. Whether light would move at a different velocity in a different universe is something that is currently outside the purview of experimental science. It's even a bit out-there for the theorists.

What's certain is that light is going to remain extremely useful—for industry, science, art, and our daily, mundane comings and goings. Light permeates our reality at every scale of existence. It's an amazing tool, a carrier of beauty, a giver of life.

I can't help but say that it has a very bright future." End Quotations

3 THE OLDEST LIGHT IN THE UNIVERSE

Lori Ann White, National Geographic

Quote: "Fifty years ago, two radio astronomers from Bell Labs discovered a faint, ever-present hum in their telescope that they couldn't identify. After ruling out radio broadcasts, radar signals, a too-warm receiver and even droppings from pigeons nesting inside the scope, they realized they'd found a soft cosmic static that originated from beyond our galaxy. Indeed, it seemed to fill all of space.

Fast-forward five decades, and the static has a well-known name: the cosmic microwave background, or CMB. Far from a featureless hum, these faint, cold photons, barely energetic enough to boost a thermometer above absolute zero, have been identified as the afterglow of the big bang.

This light—the oldest ever observed—offers a baby picture of the very early universe. How early? The most recent result, announced on Saint Patrick's Day 2014 by the researchers of the BICEP2 experiment, used extremely faint signals imprinted on CMB photons to reach back to the first trillionth of a trillionth of a second after the big bang—almost more of a cosmic sonogram than a baby picture. This image offered the first direct evidence for the era of cosmic inflation, when space itself ballooned outward in a turbocharged period of expansion."

3.1 LIGHT AND REAL TIME VIDEO CAPTURE

If the CMB photons have more to tell us, it is because "light", old or new, is the perfect communications medium.

Lori Ann White, National Geographic

Quote: "CMB photons have more to tell us. Combined with theoretical models of cosmic growth and evolution, ongoing studies will expand this view of the very early universe while also looking forward in time. The goal is to create an entire album chronicling the growth of the universe from the very moments of its birth to today.

Further studies promise clear insight into which of the many different models of inflation shaped our universe, and can also help us understand dark matter, dark energy and the mass of the neutrino—if researchers can read the CMB in enough detail."

3.2 LIGHT PASSING ALONG A PATH IS NOT MODIFIED. IT CARRIES A MESSAGE THAT IS ACCURATE AND MAY BE DECIPHERED.

The Oldest Light in the Universe is proof. Quote: “‘The CMB is really a beautiful signal,’ says the University of Chicago’s John Carlstrom, who, like Page, is an expert in extracting information from a few faint photons. He leads the South Pole Telescope project, which uses several instruments mounted on a telescope not too far from BICEP2, to learn more about the CMB. The signal, he continues, offers ‘very precise measurements of conditions at recombination,’ which is the name given to the time when the CMB photons escaped from the primordial cloud of cooling plasma.”

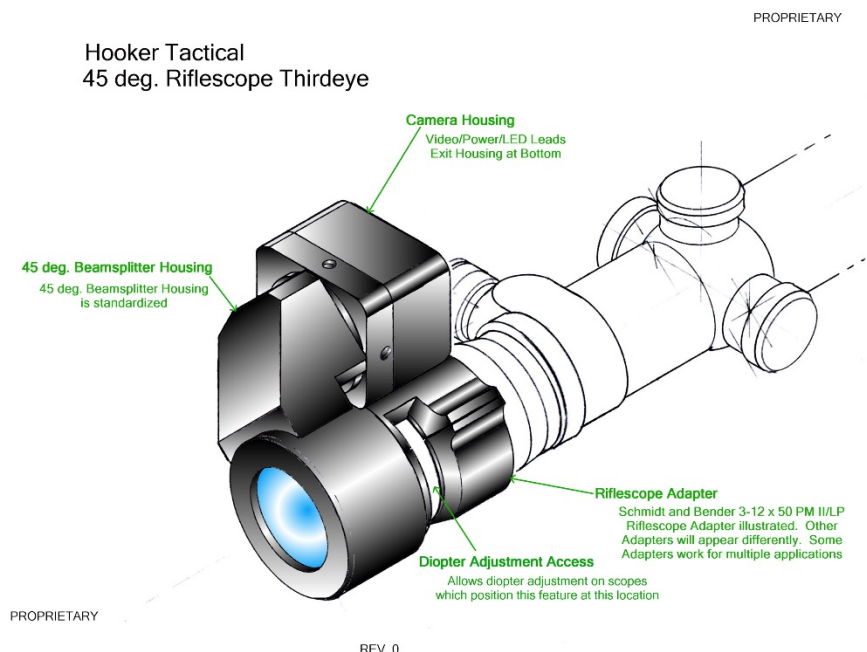
Lori Ann White, National Geographic

Quote: “CMB photons have more important information to offer, and a new generation of experiments is listening to what they have to say. Situated mostly on the high, dry, cold deserts of the South Pole and the Atacama Plateau in Chile, or in high-flying balloons that rise above much of the atmosphere, new instruments use the CMB to refine our knowledge of how the universe has evolved.

As the CMB photons traveled through the universe, they were pulled this way and that by gravity, bearing witness to everything that happened on their way from the beginning to now. **Using these photons as messengers, the new instruments are helping scientists carefully tease out the story of what the photons saw along their journey.**

‘Having this signal has helped turn cosmology into a precision science,’ Carlstrom says. ‘We’ve gone from being told, ‘You guys don’t really know what you’re measuring’ **to having independent measurements with levels of precision that rival particle physics.**”

3.3 A LIGHT PATH MAY BE CREATED BY A BEAM SPLITTER. LIGHT TRAVERSES THE LIGHT PATH AND ITS INFORMATION IS CAPTURED, PROCESSED, TRANSMITTED AND RECORDED.



Third Eye Eye Cams are the reality of the light path research. A true and real product that has served the US, and foreign military agencies for more than 20 years with real time video transmissions using the technology of light. A true example of the success of light path as a practical and useful product, dependable on the battlefield and about to be introduced into the civilian market for personal and private communications.

Definition of Light Path: A section of an optical network in which light travels without being modified.

“Without being modified”, is a very important statement of fact. A real time signal that is not modified traverses the light path for processing, recording and transmitting, simultaneously and in “real time”.

Quote: “‘Having this signal has helped turn cosmology into a precision science,’ Carlstrom says. ‘We’ve gone from being told, ‘you guys don’t really know what you’re measuring’ to having independent measurements with levels of precision that rival particle physics.’

4 PHYSICS AND LIGHT PATH

In physics, there are two definitions for "path length." The first is defined as the total distance an object travels. Unlike displacement, which is the total distance an object travels from a starting point, path length is the total distance travelled, regardless of where it travelled. The second is synonymous with [wavelength](#) and is used in calculating constructive and destructive interference of [waves](#).

5 CHEMISTRY AND LIGHT PATH

In [chemistry](#), the **path length** is defined as the distance that light ([UV/VIS](#)) travels through a sample in an analytical cell. Typically, a sample cell is made of [quartz](#), glass, or a plastic rhombic [cuvette](#) with a volume typically ranging from 0.1 mL to 10 mL or larger used in a [spectrophotometer](#). For the purposes of spectrophotometry (i.e. when making calculations using the [Beer-Lambert law](#)) the path length is measured in centimeters (rather than in meters).

6 COMPUTING AND LIGHT PATH

In a [computer network](#), the **path length** is one of many possible [router metrics](#) used by a [router](#) to help determine the best [route](#) among multiple routes to a destination. It consists of the end-to-end [hop count](#) from a source to a destination over the network.

More simply, in general computer terminology, it can mean simply the total number of instructions executed from point A to point B in a program - [Instruction path length](#).

7 COMBINE RESEARCH IN EACH DISCIPLINE AND YOU CAN DEVELOP A USEFUL LIGHT PATH TO TRANSPORT SECURE INFORMATION

7.1 MEET THE “LIGHT” OF TODAY:



A technician handles one of 39 volatile 7,000-watt xenon lamps atop the Luxor pyramid on the Las Vegas Strip. Touted as the world's brightest light, Sky Beam is strong enough to read a book by—10 miles (16 kilometers) out in space.

Photograph by Joe McNally

Written by Joel Achenbach

Republished from the pages of *National Geographic* magazine

Quote: “There has been light from the beginning. There will be light, feebly, at the end. In all its forms—visible and invisible—it saturates the universe. Light is more than a little bit inscrutable. **Modern physics has sliced the stuff of nature into ever smaller and more exotic constituents, but light won't reduce.** Light is light—pure, but not simple. No one is exactly sure how to describe it. A wave? A particle? Yes, the scientists say. Both. It is a measure of light's importance in our daily lives that we hardly pay any attention to it. Light is almost like air. It's a given. A human would no more linger over the concept of light than a fish would ponder the notion of water.

There are exceptions, certain moments of sudden appreciation when a particular manifestation of light, a transitory glory, appears—a rainbow, a sunset, a pulse of heat lightning in a dark sky, the shimmering surface of the sea at twilight, the dappled light in a forest, and the little red dot from a professor's laser pointer. Stained glass in a church, backlit by a bright sky. The flicker of a candle, flooding a room with romance. The flashlight searching for the circuit breakers after a power outage.

Usually, though, we don't see light, we merely see *with* it. You can't appreciate the beauty of a rose if you ponder that the color red is just the brain's interpretation of a specific wavelength of light with crests that are roughly 700 nanometers apart. A theatrical lighting director told me that she's doing her job best when no one notices the lights at all. Her goal is to create an atmosphere, a mood—not to show off the fancy new dichroic filters that create colors of startling intensity.

As someone whose understanding of light pretty much began and ended with the flipping of switches, I worried that a story about light would be rather ethereal and esoteric. Surely there wouldn't be anything resembling breaking news on the light beat. Wrong!

Try an Internet search under the keyword "photonics." A photon is what you call light when it's behaving like a subatomic particle. Photons, it turns out, are a hot commodity. They are replacing electrons—we know them from grade school as the negatively charged particles that orbit the nuclei of atoms—as the favorite tool of modern industry for transmitting information.

Light is now used for everything from laser eye surgery to telephone technology. **The potential military applications of light are straight out of science fiction, and within a decade light may be the preferred weapon for zapping hostile missiles out of the sky. Light could even become the preeminent power source for long-distance space travel.** The spaceship would have an ultrathin sail to catch the "wind" of light beamed from an Earth-based laser. In theory such a craft could accelerate to a sizable fraction of the speed of light—without carrying fuel.

The more you look at the topic, the more you realize that our lives are built around light, that our daily existence is continuously shaped—and made vivid—by that ambiguous stuff that dates from the beginning of time. From our technology to our spirituality, we are creatures of light.

8 HOOKER TACTICAL LIGHT PATH PRODUCTS.



"Light" captured the attention of the Hooker Tactical new product development team 21 years ago at a gathering to create a new corporation. This meeting took place in the Steward Cabin at Sundance, UT. The team knew they would work together to support the development of Community Safety & Defense Products. The introduction of light path technologies began with a discussion of "seeing is surviving"™, and moved forward into Night Vision and other electro-optics. Before the week was over, the team was well into an agreement to develop products based on light path technologies. And it has been an "enlightening" experience going forward. The scientists are all correct...the study of "light" and the development of "light" based products is mesmerizing. Nothing can hide from the light; nothing is changed by the light, it is the pure truth of the universe, if you know how to decipher its message. Once captured the light is led along a pathway to the proper destination, and its message is delivered in real time. Products developed around this knowledge are infinitely more capable of correct information gathering, and have a lethal capability that is still underestimated and about to reveal itself in small ways until we are able to manage its power. The power of light can be controlled to produce huge yields of electricity, at little to no cost, once operational. Communications of the present and near future will, and are, combining light and radio wave technology, and very soon, light will be the basis of all real time communications and private networking, around the world. It is the light of the world that is needed to share the truth in

a way that is completely dependable and accurate, and in real time, no matter where you are on the Earth.

9 NEW PATENTS, INTELLECTUAL PROPERTY & TRADE SECRETS

Patents in Process

9.1 WIRELESS THIRD EYE™ EYE CAM



A wireless eye cam transmits a signal in a radius of 5 feet, sufficient to reach a COFDM or OFDM Mesh transmitter secured on the user or in a backpack. Power source is internal to the eye cam. User is completely hands free when the riflescope eye cam is attached to the weapon scope. Signal is transmitted in analog for immediate tamper proof management. Signal is real time and the images transmitted are exactly the same as the user is seeing through the lens of the optic...no change. The Light path is

shared with the eye.

10 ONX2™ AND ONX3™



OnX2 is a night vision device mounted to a night vision eye cam for video transmission using NVG technology and Light Path technology combined, on a rail for easy mounting to a rifle and with an internal clamp for easy mounting to an optic if this style is preferred. The eye cam, attached to the Night Vision device makes night vision transmissions possible without the use of fused technology.

Patents in Process



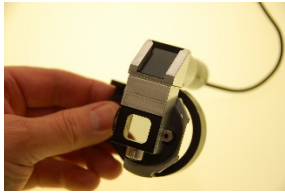
The OnX2 is the most innovative way to capture night vision images through the night vision lens, in real time. The video is a perfect image of what the night vision device is seeing. Following this example, the OnX3 is the thermal equivalent.

The OnX3 is a next generation device matching thermal imaging with light path technology to produce a device similar to the OnX2, but presenting a signal that transmits thermal imaging to a designated transmitter, and then to the

command in charge of operations. Soon the OnX2 and the OnX3 will be contributing video capture to the Tryqrtr device that presents video from all sources in the field for review and command decision making.

Patents in Process

11 NVVG™



Night Vision Video Goggle Eye Cam for use with flip up night vision goggles for ground and for air forces is also useful in a wireless format. This very small and extremely light weight light path device may be used for hunting the elusive wild boar at night, and also for law enforcement entries into large buildings and deep tunnels. The NVVG is versatile and simple to use

12 TRYQRTR™

Patents in Process

A hand held surveillance device using light path technology “collection capabilities”, collecting the night vision, thermal and visual data and displaying it on demand on a body worn or wrist worn device, that displays and records, and transmits on demand. Also using COFDM and OFDM Mesh capabilities, it may also transmit using software defined radio technology. After the op is finished, the Tryqrtr will download to a computer, laptop or other storage equipment. Satellite phone capability is an option. Is an analog device, converter is internal for digital and IP choices. Creates its own networking for security. The first of the light path technology products to develop a secure network with associates in the field.

13 XIT2™

Patents in Process

Perimeter defense equipment for helicopter and military vehicles, for perimeter maintenance and perimeter detection and defense.

14 BODY WORN CAMERAS AND DATA DOWNLOAD DEVICES

Patents in Process

New patentable product for police and security guards using beam splitter and light path technology.

15 PRIVATE I2 (PI2™) PRIVATE NETWORKS

Patents in Process

Light changes the way we think about communications. Your conversations do not need to be monitored and stored for future reference. Your privacy is as private as the law allows, and cell phone, computers and the Internet rob you of the privilege of personal conversations with those you trust and with whom you want to develop private relationships. Light makes it possible for you to regain your privacy by entering the mass communications era with your own “key” to the private management of your life.

Worn on the wrist, around the next, on the ankle...body worn. It does not replace the cell phone. It is a private network device for private communications and protection for your family. This device always works and will work without leaving a trail for the government to follow. Video, Audio, text, GPS, and video transmission, immediate report to police through 911 networking. Has a private key that is designed by the owner and is the only access to the network. Key is programmed into the devices on the network and may link to other networks by sharing the keys...by choice.

16 RX AND TX – HOOKER LABEL TRANSMITTING AND RECEIVING EQUIPMENT



Harris Corporation has developed a video processor to process the analog signal from the eye cam into a digital or IP signal for further transmission to a network of users. Cobham Tactical Communications and Surveillance also has a COFDM and OFDM Mesh transmission and receiving device using the eye cam as the video capture “eye cam” to assure *real time* communications in the field. Hooker Tactical wants to develop an own label light path transmitter and receiver kit compatible with all other communications equipment for the battlefield. The eye cam is the most reliable and immediate source of real time video capture that is completely compatible with existing equipment platforms, and can be easily adapted to new platforms. A characteristic of the product that has made it very popular in the communications field for law enforcement and military, such as was demonstrated with

the Third Eye Riflescope Eye cam was selected to work with Israeli Sniper Management Equipment to protect the 2016 Olympics attendees and contestants in Rio de Janeiro.

17 VIDEO VOICE ---SAFETY COORDINATES --GPS

Accessories of choice for the new Third Eye Eye Cams for the Private Networking, for hunting, camping and hiking, for trail riding and boating, and for managing the whereabouts and private communications of your team in corporate America and your family at home.

Patents in Progress

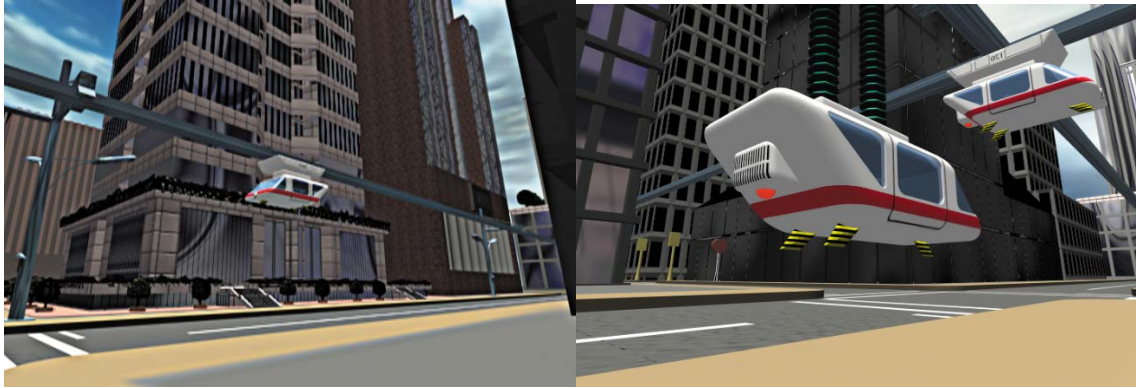
18 HOOKER I-CAM™ FOR HUNTERS

Patents in Progress

19 CGL777™

Patents in Progress

20 ESGORTS™ (ELECTRONIC SELF-GUIDED OVERHEAD RAIL TRANSPORTATION SYSTEM)



Fast transportation in 4 person pods, along a sensed “I” beam, easily installed on current right of ways using entry points at each “I” beam therefore eliminating sidings and stations. It is modular, strong, perpetual, and uses fuzzy logic to permit each car on the system to plot a destination within the network that is the closest or the most reasonable depending on traffic and use. Behavioral Software protects the passengers as they travel in quiet and comfortable surroundings over the traffic and out of the stress of parking, and bad weather. The power source that drives the vehicles is located on top of each car, and is a perpetual electrical engine that takes its energy from sensors on the “I” beam, assures comfort and immediate arrival. Just use your Smart Card when entering the vehicle, press a button for your choice of destination, and sit back and enjoy the scenery with the music of your choice. Always clean and safe, the interior is monitored by eye cams and software that will handle emergencies and improper behavior quickly. There are cars for people and for a variety of goods, including those cars to relieve personnel from exposure to nuclear waste and other toxic chemicals. Safety is first. Comfort and reliability is essential. You forget to worry about the family car when low cost transportation that is elegantly provided, and gratefully used, replaces the local transportation services.

21 GIDEON AMMUNITION

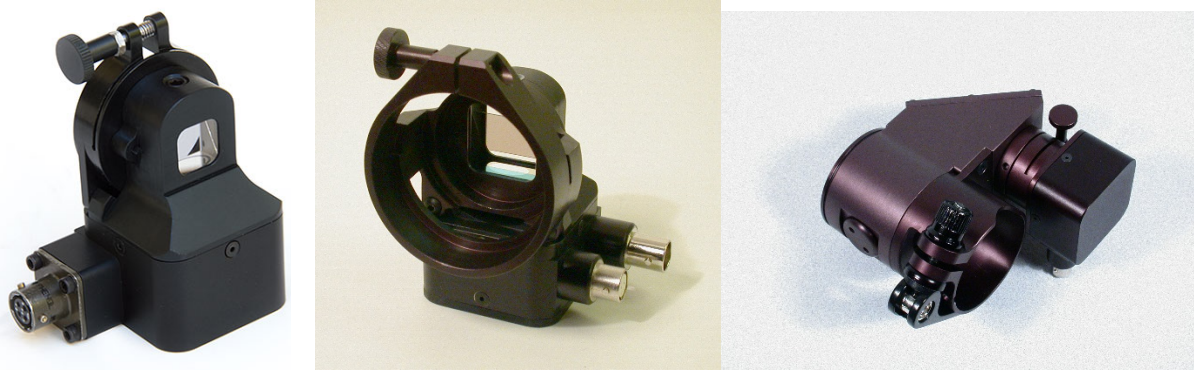


Shardz – Armor Piercing Bullets Patent
Sabot Rounds

Level Flight Ammunition – Long Range Target Resolution Bullets and Ammunition in all calibers is manufactured by special order for Hooker Tactical customers. The Gideon Ammunition makes target resolution possible. The eye cam identifies the target at greater distances and with greater accuracy. The Gideon ammunition is used to resolve the target with accuracy that is equal to the eye cam’s capability. Hooker Tactical customers special order the caliber and the model of ammunition that is required for the mission they are about to perform. It is a specialty engineered product.

Patents in Process, and Patents Pending

22 THIRD EYE™ EYE CAMS — EDUCATED THE MARKET



23 MARKETING — FINDING THE RIGHT ENTRY POINT INTO THE MARKET AND THEN EXPOSING THE PRODUCTS TO THE MASSES

During the past 8 years, a specific and focused marketing campaign was used to contact the military and law enforcement agencies that could best benefit from the light path technology products developed. These products have served in Iraq during Operation Iraqi Freedom and in Afghanistan during Operation Enduring Freedom and now in Jordan in support of their war against Islamic terrorists. With care, the NVVG eye cam products were designed and introduced to the Israeli Ground Forces at their request, and to the Italian Carabinieri in support of their efforts with the US Navy SEALs. Large companies such as Lockheed Martin and BAE Systems use third eye eye cams to test their own optics through the lens, testing new electro-optic products for battlefield effectiveness. The largest suppliers of battlefield communications use our products as their video capture devices attached to optics for through the lens image delivery in real time. Cobham Tactical Communications and Surveillance, UK and Harris Corporation in the US and Australia sought out the eye cam and added it to their systems management as a key for real time video capture. The eye cams are a part of the Sniper Management Systems that will be used by the Brazilian Military and Law Enforcement to protect the attendees at the 2016 Summer Olympics. The Third Eye Eye Cams are now used all over the world successfully and with “zero” failures in the field. Now is the time for the Light Path Technology to take the next step in marketing to the public for public safety and defense, and for private and secure networking.

24 \$10 MILLION SHARE PURCHASE

AMglobal in Germany, with the support of the Sparkasse Bank and the German Federal Bank, has offered to purchase the shares of Hooker Tactical to gain 100% ownership of the corporation and total ownership of all of the Light Path Technology from Third Eye Eye Cams to Gideon long range level flight ammunition and Electronic Self-Guided Overhead Rail System designed for the 2002 Salt Lake Olympics using light path technology as sensors and fuzzy logic, self-perpetuating motors and behavioral software with complete surveillance inside the transportation cars.

AMglobal will stay in Idaho Falls and will continue to use the existing Hooker Tactical facilities in Idaho Falls and Arco, maintaining primary US corporation headquarters in Idaho in exchange for \$552,000 USD and a National Guard Helicopter to “kit out” with all Lightpath equipment, to be used for community safety & defense, as a search and rescue helicopter with Hooker Tactical/ AMglobal staff of paramedics and technicians, and able to use the helicopter at trade shows and fairs all over the US to advertise the new form of Private Communications for agencies, corporations, families, ranches, farms, law enforcement and military. With these concessions the corporation will remain in Idaho for the next 3 years at least, and if all goes well, will keep a headquarters in Idaho indefinitely.

AMglobal is interested in manufacturing and engineering alliances with companies located in Idaho such as Micron, who may be interested in joint development of the new communications product line.

The purchase of shares will include sufficient money to pay off all of the Hooker Tactical debts, as well as buyout all of the Hooker Tactical shareholders to gain 100% ownership.

\$3.0 million of the \$10 million being borrowed for this purpose, will stay in the corporation for working capital, and an additional \$25 million will be further invested as Research & Development grants for the development of a new hand held device for private communications. An additional \$21 million in foreign government sales will be added to the Idaho Falls manufacturing site schedule over the next 12 months with another \$11 million in US sales...to take the corporation to \$30 million in sales over the next 3 years. Making the corporation worth approximately \$75 million at the end of 5 years.in 18 months. Light is that valuable to the technology changes coming in this decade. It is believed the corporation will be worth \$75 million at the end of the first 5 years and will be a significant industry in Idaho.

The corporation is backed by the AMglobal international investment team and the German banking system, and would like to be also supported by the State of Idaho as an incentive to stay in the state rather than uprooting the entire operation and moving it to Germany.

Hooker Tactical will remain intact and will remain a US Defense Exporter with foreign ownership and day to day management provided by residents of Idaho.

AMglobal will use the Taylor Attorneys at Law and Little and Morris as a part of their professional staff in Idaho. And will hire a major Advertising and Marketing firm in Idaho to take the product out of the brown paper bag of slow moving education of the marketplace into the forefront by introducing the essence of light path technology, the new Hunters I-Cam in an Idaho mountain setting. This will be a major campaign to capture the eyes of the world and turn them toward Lightpath technology and the technology capabilities of the State of Idaho.

AMglobal will seek out and hire the best research, manufacturing, electrical, and mechanical engineers and technicians to grow the manufacturing facility in an Idaho Falls restored landmark, making it a major site for the employment of many persons with good wages and benefits, and a chance to grow the communications industry in the most needy part of the state of Idaho, for economic growth. AMglobal and Hooker Tactical will fill the OEBell Building and make it a showplace again in the city.

AMglobal’s love of education will benefit every university in Idaho.

AMglobal is asking for a National Guard helicopter that may be fitted out with all light path technology ...this technology is completely compatible with today's transmitting and receiving equipment and will also be fitted with the most advanced light path transmitting and receiving equipment and video capture equipment as well as a perfectly trained paramedic team for Search and Rescue for the community and also to demonstrate the technology as Idaho Technology at the many tradeshow and fairs around the US and Canada.

AMglobal will hire the best sales persons and seek out the best Distributors...and will train them through a secure Stewardship Management and In-service training that is unique to this business and solely owned by Hooker Tactical Safety & Defense Equipment, Inc., an Idaho Corporation. A full corporation under the laws of Idaho and an active Defense Exporter through the US Directorate of Defense Trade Controls, to bring additional new business to Idaho and to increase its visibility in the world through export of light path products for military and law enforcement.

The XiT2 Demonstration Team and Elite Search & Rescue Team ...will show off how the equipment works and will stop to train local community first responders in the latest search & rescue techniques and offering to train young persons in gun safety and in support of Civil Air Patrol.

Stewardship Training every week for In-service...will be conducted at the Hooker Tactical offices, and open to the public. It is our goal to support business in our community and offer any support that will elevate the welfare of the community where we live and work. The Hooker Tactical Stewardship Management manual is another product of the original team that started working together nearly 21 years ago.

AMglobal will seek out and find a corporation with transmitting and receiving expertise and work out a deal for the manufacture of Hooker Tactical transmitting and receiving equipment in COFDM and OFDM Mesh...and the hand held receiving equipment for the TRYQRTR.

The request is simple. AMglobal will contribute \$10 million into the Hooker Tactical corporation to buy out shares, payoff all outstanding debts and capitalize the corporation and would like to keep the corporation in Idaho. It is requested that the State provide \$552,000 in useful tax reductions and cash incentives to keep the corporation in the State for the benefit of all concerned.

25 \$25 MILLION FOR NEW PRODUCT DEVELOPMENT, MARKETING AND RESEARCH

The first two years of the Business Plan for Hooker Tactical owned by AMglobal includes the development of \$25 million for new product development, research & development and additional marketing. The profits of the corporation will be spent in Idaho for the further development of the Light Path private networking for families, businesses, police agencies and fire agencies, etc. This \$25 million will benefit the State of Idaho over a period of 5 years. The investment in local universities and trade schools will be a welcome contribution to the community and a benefit of keeping the corporation in the State of Idaho, rather than moving it to Utah or Israel or Germany.

26 OBTAINING THE OWNERSHIP OF 3% OF THE C4I MARKET IN THE US AND THE WORLD

Give the masses what they want...communications without risk of detection. They desire Privacy

Give the war effort what it really wants...early detection, perimeter defenses, early warning, eyes on with good reconnaissance, to save lives....and always hit the target...and it is possible to make the goal set by the new owners of Hooker Tactical.

In a multi-billion dollar market, a 3% ownership of that market is a considerable effort, a very large and audacious goal...but attainable because the light path products are proven and useful now. If the business plan is followed and if the genius of the Hooker Tactical team goes forward with AMglobal and all the talented engineers and scientists available to AMglobal in Idaho Falls and surrounding areas. In 5 years the growth of the company will reach that 3% ownership of the market.

Goal: The introduction of Light path technology as the new communications technology of the future introducing the light path building blocks of community safety & defense.

Communications – AMglobal and Hooker Tactical will seek a Joint Venture relationship with a communications corporation such as Nokia, who is willing to build a light path network phones and hand held devices, and wrist devices...like a cell phone, but more advanced, and part of private networks that belong to the owners of the “lightpath phones”; a private network to meet the needs of a group, a family, a police department, a hospital...a group that desires private and secure transmission of information without the need of cell towers and Internet. The Joint Venture will develop the range of these small networks and how to join with other networks when necessary and just for a specific phone call or data transfer...short temporary visits that do not destroy the integrity of the network developed. It is a unique change in thinking. AMglobal will patent the concept of using light path technology to form private networks for civilians, and on the battlefield for military use..even to patent the ability for the military to set up unique and private networks quickly and then take them down without any interference or hacking of their systems ..The networks are secure when they are set up and would disappear when the op is complete. These communication networks, small and discreet, would permit the police officer and the fireman to receive information when the airways are full of cell traffic and there is a major emergency requiring that they be able to communicate with their teams...It is the most revolutionary concept for the customer that has a need to escape the constant gathering of personal information and the constant eavesdropping of a multitude of government agencies, and others interested in industrial espionage, or just keeping track of your life and your communications, or a safe communications network on the battlefield. This Patent is the pre-cursor of worldwide real time communications that will assure that true data is displayed when it is necessary.

Transportation – Efficient, environmentally friendly, and low cost transportation built on light path technologies is vital for the growth of our nation. Also, the lightpath technology can save lives as could be done when installed between Arco and Idaho Falls especially for the traffic developed by the Idaho National Laboratories, and the huge cost of managing the bus lines. A simple method is available and could be installed with no loss of time and effort during the transition. By providing a National Guard helicopter and a National Guard Bus, AMglobal will “kit out” with the light path technology. The corporation can build a mockup of the transportation possibilities for the INL. All to demonstrate Light

Path technologies by installing all of our related products in these vehicles and flying and driving to demonstrations and tradeshow, having compatible experiences with the normal transportation requirements for aircraft and buses... and then arriving to demonstrate the difference that light path makes in the ability of transportation vehicles to keep you safer and make you more comfortable, costing less to operate and maintain, and again preventing normal communications from sharing your destination, current position and mode of payment, etc.

Education – The study of light is the study of the history of the Universe and the forward future events that could transpire. Light is the Messenger. We learn all about the mysteries of the Universe, what holds it together, and how the worlds are formed and when. Learning about the light, enlightens a generation of new ideas. We learn the ability to communicate. It is the single most impacting new technology to come to the world in 25 years. Light can solve many health issues. It brings life to those who are ill, and help to the mentally ill. It is worthy of our study and will increase the intelligence of our research & development if our education includes the intricate dissecting of light as a new opportunity for improvement for the human race.

Safety & Defense – It is obvious that light when focused harnesses the power of the atom in a safe manner for the user, and, at the same time can be a devastating defense against intrusion when used in a weapon. The defense of a single person can be managed with a single light path based device. One on one conversations in a secure network that is not a part of a world system of shared information means the truth can be shared within your network and linked to others or released from others as your intelligence permits. Light is the control of your own surveillance and protection and perimeters...as a nation, it is a comprehensive tool for real time information sharing with low costs and lethal capabilities.