



The Future of Sustainable Cannabis Cultivation - Panel The 6th CannaGrow Expo, Sunday

October 29, 2016

PROFITS



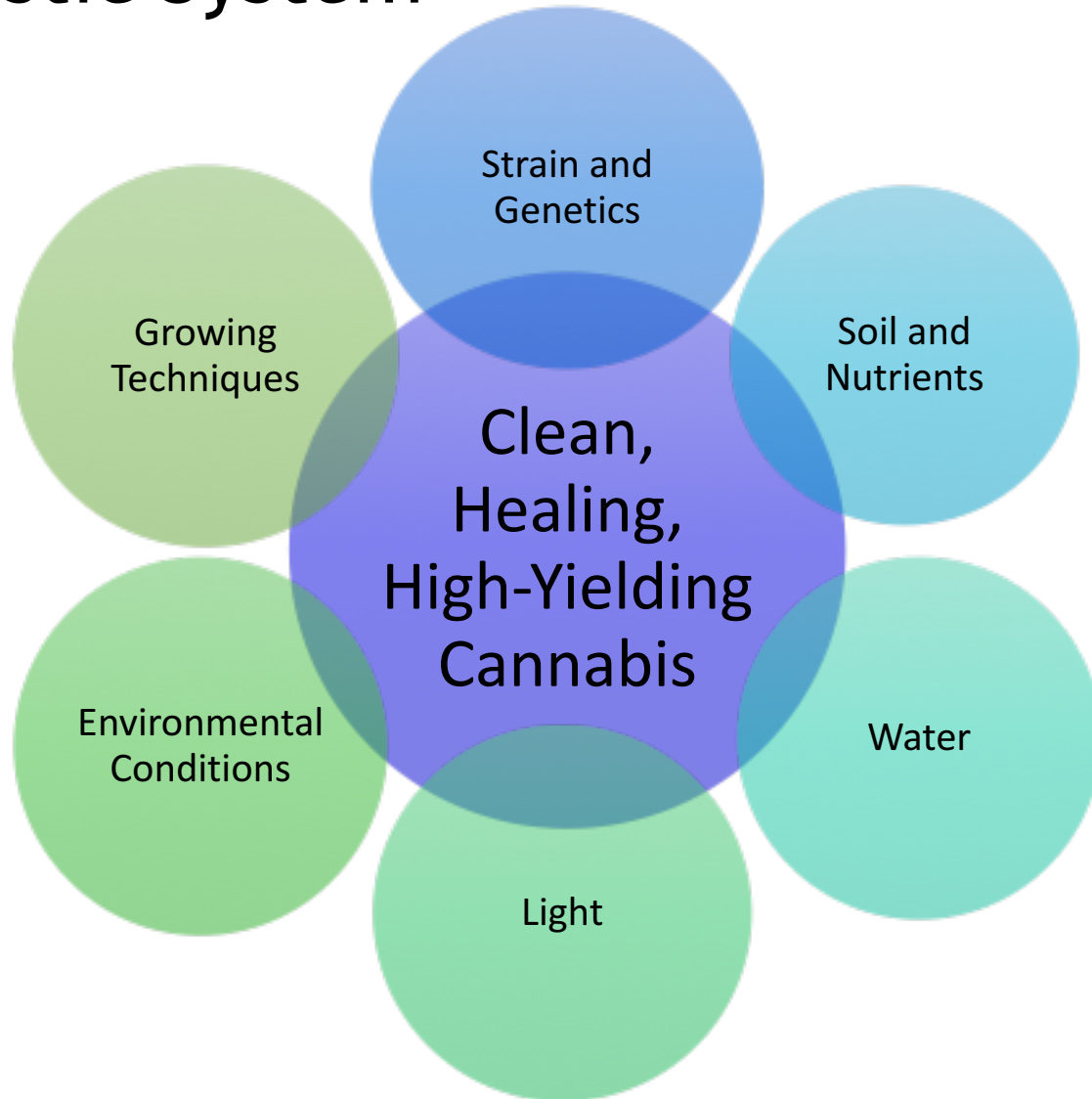
PEOPLE



PLACES



Holistic System





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AZENTIVE SUSTAINABLE TECHNOLOGY DEVELOPMENT

AZENTIVE founders collaborate with several inventors of numerous well-known technologies, like Tang orange juice, the IBM typewriter ball, ballistic missile guidance systems, vortex water, nutrients, and numerous plasma and powder coating technologies. Our goal is to create systematic solutions by bringing technologies that contribute to healthy people, plants, and planet out of the hands of the inventors and into the hands of the growers. AZENTIVE takes a holistic view to weigh how well each technology will impact and contribute to sustainability and wellness core values. Our approach is to create win-win scenarios that benefit everyone involved and ultimately to create more medicinal cannabis to help more patients.

Table 1 AZENTIVE Sustainability Technology Development

Technology Domain	Technology	Application
Plasma Lighting Solutions	Sun On-Demand full sunlight spectrum plasma/fusion lighting grow technology.	<ul style="list-style-type: none"> • Cannabis, hemp cultivation from mothers to propagation to vegetative to flowering stages • Cannabis, hemp, and algae nutrient extraction • Water activation prior to plant watering
Nutrients	Clean, green organic nutrients, a time-released watering and nutrient delivery technology, and Sun On-Demand solutions equal R&D potential and protection of the genetics to maximize results of all three technologies.	<ul style="list-style-type: none"> • Microbe, nutrient, and water activation for clean and green medicinal cannabis, fruit, vegetables, feedstock, nutritional supplements, etc. • Time-released water and nutrient delivery
Thin Films	AZENTIVE principals have more than 30 years of experience in thin film materials and are connected to several promising thin film cannabis applications.	<ul style="list-style-type: none"> • Micro glass coating for plastic bottles/containers to drastically reduce weight and increase taste, quality, and disposal. • Greenhouse film that concentrates and diffuses sunlight, very little degradation, self-cleaning coating, delivers uniform light, very high tensile strength, not pyrophoric. • 98% photon reflective pre-fabricated walls for horticulture • Light tubes with thin film delivery mechanisms for Sun On-Demand commercial and industrial applications

Additional Plasma Technologies	Plasma pen: A new miniature plasma source uses a mixture of gases at atmospheric pressure and room temp.	<ul style="list-style-type: none"> • Sterilize bottles/containers during liquid product filling • Surgical wound closure preparation
	Atmospheric Plasma: A new portable plasma source using a mixture of gases at atmospheric pressure and room temp.	<ul style="list-style-type: none"> • Plasma curtain in-air sterilization of objects passing through (eliminate room to room cross contamination) • “Cracking” or disassociating harmful compounds in grows, factories, large manufacturing to reduce them into inert elements. • Bio-medical applications, such as surgical room sterilization, inhalation therapy, proliferation of cells, blood ozonation, etc.
	Solar immersion tubes: Waterproof tubes that enable underwater delivery of full spectrum Sun On-Demand solutions.	<ul style="list-style-type: none"> • Immerse Sun On-Demand into photo bioreactors (PBRs) for algae and micronutrient production, and sludge waste management
Buildings Applications: Portable Powder Coatings	A new portable powder coating system that does not require oven curing or pre-mixing of powders. Offers on-site maintenance solutions for corrosion, rot, wear, and infestation. Has capability for automatic or manual control visual portion of spectrum by changing colors, patterns, or both. Can be a reflective and/or an absorbing coating.	<ul style="list-style-type: none"> • Light-absorbing paints with 8-hour light-reflecting half-life for fire hydrants, safety lighting, reflective applications, etc. • Maintenance powder coating w/ 20-year life for on-site bridge, light poles, ships, etc. • Cool roof paint: Light/heat reflecting (white) in daytime and dark in nighttime