



**ATLAS**  
NANOTECH®

Resumen ejecutivo

**Atlas Nanotech®** es una empresa mexicana – estadounidense que cotiza en el mercado bursátil de los Estados Unidos a través de OTC Markets bajo el símbolo CSSI. Nuestro propósito es **mejorar la calidad de vida de las personas por medio de la nanotecnología.**

La nanotecnología es una rama de la ciencia e ingeniería dedicada a los diferentes materiales cuyas dimensiones van de 1 a 100 nanómetros, optimizando la eficiencia de cualquier compuesto que se reduzca a estas dimensiones.

En el año 2006, la industria de la nanotecnología generó ingresos por 50 billones de dólares y se estima que **para el año 2020 los ingresos producidos por esta industria superarán los 250 billones de dólares anuales**, haciendo de este segmento, uno de los más lucrativos, rentables y con mayor participación en el mercado mundial.



En **Atlas Nanotech®** desarrollamos compuestos nano-estructurados, logrando productos y dispositivos médicos que generan una ventaja competitiva en el mercado y sus consumidores. Actualmente, se cuenta con 3 productos listos para distribución y comercialización; y 4 en el pipeline de desarrollos enfocados a la industria bio-médica.



## PORTAFOLIO



**Malla ultra fina de algodón impregnada de componentes nano estructurados** que ayudan a mantener la lesión en un estado antiséptico promoviendo la regeneración tisular.

**Biopolímero nano estructurado** que permite acelerar la regeneración de lesiones tisulares, incluyendo ulceraciones diabéticas en fases avanzadas.



**Terapia con nanotecnología** de nueva generación diseñada especialmente para activar el sistema inmunológico de manera específica y eficiente en contra de un tumor o células malignas



# PIPELINE DE DESARROLLOS:



**Solución impregnable nano estructurada** cuyo componente activo genera una barrera antiséptica que facilita el proceso curativo del área tratada.

**Biopolímero nano estructurado en forma de gel semisólido** que genera una matriz de sostén donde las células pueden replicarse eficientemente.



**Solución nanotecnológica con vitamina A** en gotero. Su compuesto de nano cápsulas lipídicas están cuidadosamente diseñadas para penetrar las membranas celulares y llevar su componente activo hasta la retina.

**Dispositivo bio-médico implantable en médula espinal** con nanotecnología que sirve para recuperar funciones en pacientes con lesiones espinales traumáticas.



**Atlas Nanotech®** está preparada para fabricar, distribuir y comercializar la Nano Mesh® (gasa), Nano Net® (membrana) y la inmunoterapia. Sin embargo, el resto de los productos descritos en el pipeline requieren una inversión de 10 millones de dólares para concluir su desarrollo y puesta a disposición de los mercados.

Para ello, **Atlas Nanotech®** pone a disposición del público inversionista 5,000,000 millones de acciones preferentes (sin derechos corporativos) que tendrán un waiting period de 24 meses a partir de la fecha del acuerdo.





## BUSINESS PLAN

### THE ENORMOUS POTENTIAL OF NANOTECHNOLOGY

Nanotechnology is a branch of science and engineering dedicated to different materials that have dimensions ranging from 1 to 100 nanometers. Considered as the greatest innovation in engineering since the industrial revolution, nanotechnology has also renewed the industry and the commercial sector.

According to the "Nanotechnology Consumer Products Inventory (CPI)", during 2007 there were more than 600 nanotechnological products that were produced by 322 companies in 20 countries. An update of this database for the period 2010 - 2013 the CPI lists 1012 products of 409 companies in 24 countries.

As a result of the high demand, other databases have emerged listing the nanotechnology products that are available in the commercial market, such as Japan's National Institute of Advanced Industrial Science and Technology that created an inventory of "nanotechnological products acclaimed by consumers" , Which lists 586 products since 2007.

These products are exhibited for an endless number of applications such as antibacterial action paints, anti-graffiti coatings, cleaning products, biotechnology, pharmaceuticals, textiles and even food.

In the world there are around 2,500 companies that are directly related to the field of nanotechnology. In 2006, the beginnings of the nanotechnology sector represented an approximate revenue of 50 billion dollars and the projection to 2020 is 250 billion annually, which is why it is considered one of the most lucrative, profitable segments with the largest participation in the world market. .

## THE PROBLEM

At present, pharmaceutical and medical and clinical supplies, due to the type of processes used in their preparation, do not reach the desired efficiency in the clinical field, causing it to be expensive to elaborate.

The above occurs because these substances in most cases have to be used coupled to other molecules, due to their chemical nature, and increase the dose to be carried to their therapeutic target which can cause toxicity in the patient. This in addition to generating high production costs may not be favorable for the user.



## THE SOLUTION

Nanotechnology is the science that allows the development of structures so small that they facilitate the distribution of substances with high efficiency by being able to traverse anatomical structures with ease.

The production of them is very low cost and without toxicological risks. Atlas Nanotech has developed two clinical products with applications of nanoparticles that can meet some of the most recurrent medical needs in public and private hospitals, as well as in pharmacies and other centers for the distribution of clinical supplies.



It is an ultra-fine cotton mesh impregnated with nano-structured components that help keep the wound in an antiseptic state and in an environment prone to tissue regeneration. Eliminating 99% of the microorganisms that cause infection and accelerating the recovery process of the patient.



It is a biopolymer that serves as a base to colonize cells; that is, it accelerates the process of regeneration of wounds on the skin. The Nano Membrane is responsible for potentiating tissue regeneration, eliminating all infection and bio-absorbing within the same area of application.



## NANO GAUZE AND NANO MEMBRANE VS. SIMILAR PRODUCTS

Currently, there are no products in the Mexican market that are the same as Nano Gasa or Nano Membrana. Therefore, some of the products that have similar characteristics are analyzed here, although they do not generate the same effects and do not have the same efficiency.

In general terms, the fundamental differentiators of the Nano Gasa and the Nano Membrane are the following:



- ✓ Lower price than similar products in the market.
- ✓ The power of silver nanoparticles generates an antiseptic effect of high effectiveness and low toxicity.



- ✓ The antiseptic power of silver nanoparticles avoids the cultivation of bacteria in the wounds where it is placed, thus decreasing the need for additional treatments and allowing a much more agile healing of the wound.
- ✓ The quality of the Nano Membrane biopolymer allows a much more agile absorption in the patient's skin.
- ✓ Lower price than similar products in the market.

Below are some similar products, although with the differences mentioned above.

Product name: Acticoat  
Price: \$ 899 MXP, 1 piece (Mercado Libre).

### WHY IS NANO GAUZE BETTER?



Less toxicity



Lower price



Better antiseptic effect.

Product name: Membracel  
Price: \$ 250 MXP, 1 piece (website).

### WHY IS THE NANO MEMBRANE BETTER?



The Nano Membrane inhibits bacterial growth.



Its absorption is better due to the better quality of the biopolymer.



The number of contraindications of the Membracel means that it can not be used by most of the patients to whom the Nano Membrane is directed.

Product name: Fibracol  
Price: \$ 2,519 MXP, 1 piece (Free Market).

### WHY IS THE NANO MEMBRANE BETTER?



When using collagen, Fibracol takes much longer to absorb.



It does not have the antibacterial component of silver nanoparticles.

## MARKET

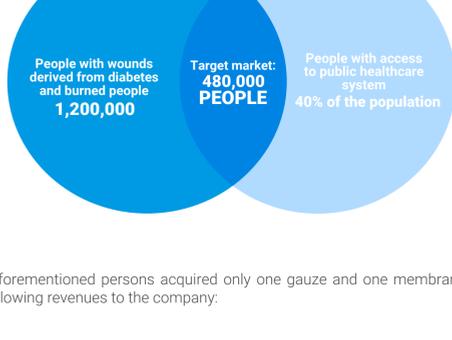
The potential market is defined by a population group with the following characteristics:

People with difficult healing wounds, in particular, diabetic people with ulcers and burned people, with social security schemes and public medical care in Mexico.

Demographic data to build the potential market:



In this way, our target market is composed as follows:



Assuming that each of the aforementioned persons acquired only one gauze and one membrane per year, the total potential market would generate the following revenues to the company:

Product	People with ulcers by diabetes or burners	Unit price	Sales derived from total coverage	Related sales derived from population with social security (40% of the total population)
<b>NANO GASA</b>	1,200,000	\$600 MXP	\$720,000,000	\$288,000,000
<b>NANO MEMBRANE</b>		\$3,600 MXP	\$4,320,000,000	\$1,728,000,000
<b>Total potential market</b>			<b>\$5,040,000,000</b>	<b>\$2,016,000,000</b>
<b>Total potential market in USD in Mexico</b>				<b>\$105,227,834 USD</b>

Exploitation of the potential market mentioned will depend on the manufacturing, distribution and commercialization capacity of Atlas Nanotech.

## PRODUCTION, DISTRIBUTION AND COMMERCIALIZATION

For the exploitation of the potential market described above, Atlas Nanotech has the following marketing alternatives:

- DISTRIBUTION AND COMMERCIALIZATION:**  
Atlas Nanotech has suppliers that can be contracted for the manufacture of the Nano Gauze and the Nano Membrane. In addition, we have excellent relationships to place products in public and private institutions. Once the lots are received, Atlas Nanotech will distribute them to their clients in accordance with the requests received.
- LICENSING OF THE PATENT:**  
The Nano Gasa and the Nano Membrana have patent applications in process before the Mexican authorities. By virtue of this, the company owns the exclusive right of exploitation of both products in Mexico, which can be licensed to third parties.
- MANUFACTURING, DISTRIBUTION AND COMMERCIALIZATION:**  
Once the costs of outsourcing the product's machinery have been analyzed and having already installed its distribution network and customer portfolio, Atlas Nanotech will install facilities that allow it to produce these products on its own, thus increasing in an important way, the profit margin.

The production, distribution and commercialization routes described will be implemented as follows:



## PROJECTIONS

	2019						2020						Total
	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Abr	May	Jun	
<b>REVENUE</b>													
<b>Nano Gauze</b>													
Tenders/awards							100,000	300,000	500,000	700,000	1400,000	2800,000	5800,000
Clinics/medical representatives							20,000	30,000	35,000	40,000	45,000	50,000	220,000
E-commerce							10,000	30,000	60,000	80,000	100,000	120,000	400,000
Suppliers							20,000	30,000	35,000	40,000	45,000	50,000	220,000
<b>Membrane</b>													
Tenders/awards							100,000	300,000	500,000	700,000	1400,000	2800,000	5800,000
Clinics/medical representatives							20,000	30,000	35,000	40,000	45,000	50,000	220,000
E-commerce							10,000	30,000	60,000	80,000	100,000	120,000	400,000
Suppliers							20,000	30,000	35,000	40,000	45,000	50,000	220,000
<b>Total Revenue</b>													<b>13,280,000</b>
<b>FIX EXPENSES</b>													
CEO	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000	348,000
Assistant	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	102,000
Sales	23,200	23,200	23,200	23,200	23,200	23,200	23,200	23,200	23,200	23,200	23,200	23,200	139,200
Director of research and development	46,400	46,400	46,400	46,400	46,400	46,400	46,400	46,400	46,400	46,400	46,400	46,400	278,400
Responsible for trademarks and patents	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	17,000	102,000
Investigator 1 (half time)	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	14,000	84,000
Director of marketing and communications	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	278,400
Financial and legal director	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	46,000	278,400
Accounting	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	24,000
Corporate legal services (Mexico and US)	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	150,000
<b>OPERATIONAL EXCELLENCE</b>													
Office													
Income Office	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	40,000	240,000
Services Office	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	12,000
IT accessories	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	30,000
Equipment	125,000			100,000			100,000						225,000
Travel expenses and representation expenses													
Travel	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	50,000	300,000
Local transportation	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	18,000
Working meals	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	150,000
<b>FINANCIAL COSTS AND TAXES</b>													
Bank commissions	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	12,000
Taxes													
Foreign exchange losses													
Commissions for sales	349,000												
<b>VARIABLE EXPENSES</b>													
Initial expenses													
Counter	60,000												
Video promotional membrane	100,000												
Debit corporate lawyers (legal mind)	40,000												
Change of company name(Nano creations and COSTS >Atlas Nanotech	150,000												
Number 01 800	4,000												
Notary fees (merger)	15,000												
<b>DEVELOPMENT, MANUFACTURE AND MARKETING</b>													
<b>Membrane</b>													
Pay COFEPRIS (registration and patent)	1000,000												
Pymnt manufactura (8,333 pieces)		250,000		250,000									
Payment boxing		80,000											
Payment boxes		1000,000											
<b>Nano Gauze</b>													
Pay COFEPRIS (registration and patent)	1000,000												
Pymnt manufactura (8,333 pieces)		250,000		250,000									
Payment boxing		80,000											
Payment boxes		1000,000											
<b>TOTAL PERSONNEL</b>	297,400	297,400	297,400	297,400	297,400	297,400	297,400	297,400	297,400	297,400	297,400	297,400	3,568,800
<b>TOTAL OPEX</b>	646,000	127,000	127,000	227,000	127,000	127,000	277,000	127,000	127,000	127,000	127,000	127,000	2,243,000
<b>TOTAL EXPENSES INICIALES</b>	369,000												369,000
<b>TOTAL DEVELOPING, MANUFACTURING AND MARKETING</b>	100,000	530,000	430,000	250,000	250,000								1,560,000
<b>TOTAL EXPENSES</b>	1,412,400	954,400	854,400	774,400	674,400	424,400	524,400	424,400	424,400	424,400	424,400	424,400	7,740,800
<b>Average monthly expenditure</b>													645,067
<b>TOTAL REVENUE</b>							300,000	780,000	1,260,000	1,720,000	3,180,000	6,040,000	13,280,000
<b>NET</b>	1,412,400	954,400	854,400	774,400	674,400	424,400	224,400	355,400	835,600	1,295,600	2,755,600	5,615,600	5,539,200

According to this cost structure and with the projections given, Atlas Nanotech will conclude its first 12 months of operation with profits over 5 million Mexican pesos (before taxes).

It is important to consider that these projections meet conservative criteria, based on the current feasibility of commercialization in accordance with the network of contacts for the production, distribution and sale of the products.

## UPCOMING PRODUCTS

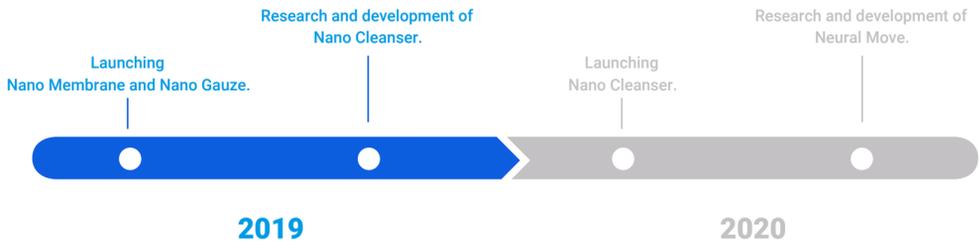
Through its first investment round, Atlas Nanotech will launch the Nano Gauze and the Nano Membrane. However, there are two more products in its pipeline that are in the research and development phase and whose launch is planned for the second half of the year 2020:



Nano-structured impregnable solution. Its active component contains metallic nano particles that, when impregnated in a wound or zone for surgical manipulation, ensure that an anti-microbial barrier is generated that facilitates the healing process of the treated area.



The Neural Move is a spinal neurostimulator whose components are nano-sized, which allows the device to be so small that it can be implanted in areas of great surgical complexity, potentiating the electrical impulses in this area so that the patient can go recovering his mobility.



## MANAGEMENT TEAM



### Dr. Julio César Riestra Rodríguez

General Director of Atlas Nanotech. He is a practicing physician committed to the integration of nanotechnology, biosciences and medicine. He will oversee the research, development and commercialization of Atlas Nanotech products.



### Dr. David Alejandro López de la Mora PhD

De la Mora is a pharmaco biologist chemist and has a PhD in molecular biology. He is a research professor at the University of Guadalajara and a member of the National System of Researchers (SNI).

He is the author of nine books on nanotechnology and bioscience and has dozens of written research articles. He will be responsible for the research area for the development of patents in the field of nanotechnology applied to medicine.



### Juan Manuel Riestra Rodríguez

He is one of the founders of Atlas Nanotech and will act as the Marketing and Communication Director of the company. He is also the executive director of AORI Brand Media Consulting.

His past business experiences in the field of manufacturing and development of medical products include starting and eventually selling a chain of hemodialysis clinics, developing and implementing a new technology to eliminate 99% of nosocomial diseases acquired during treatment.



### Alberto Herrera Aragón

Herrera has a degree in Law, with a Masters in Journalism and Public Affairs and a Master's degree in Human Rights. He has extensive experience in management of organizations and companies.

From 2007 to 2012, he served as Executive Director of Amnesty International in Mexico, and is currently Managing Director of Change.org for Mexico, Central America and Colombia. Additionally, he is a founding partner of Valor Compartido, a communication agency on social responsibility, among other companies. Herrera will act as financial and legal director of Atlas Nanotech.

## CONTACT

Atlas Nanotech is a Mexican - American company born with the purpose of improving the quality of life of people through nanotechnology.

Being pioneers in research and development within this industry, we have the ability to generate products that revolutionize any sector. Atlas Nanotech is one of the few companies worldwide, dedicated to the development of nanotechnology. Our business model allows a very high scalability of the products through the commercialization of our patents. We have a pipeline of ready-to-market products that cover different industries, particularly the medical and surgical industry.

Our technology and scope allow us in the near future to develop solutions with nanotechnology focused on industries such as food, cosmetics and chemistry.

By being part of Industry 4.0 we are aware of the responsibility that comes with becoming leaders in the field of nanotechnology. That is why our bases and foundations are focused on the protection of life and the optimization of resources, these being two essential premises to recover the balance between our species and its environment.



**WE CURRENTLY TRADE ON THE US STOCK MARKET THROUGH OTC MARKETS UNDER THE SYMBOL CSSI.**

**Do you want to invest in Atlas Nanotech? Visit the "investment" section of our website or write us.**



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