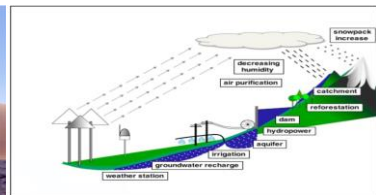
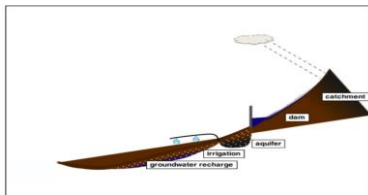




Proposal for The United Mexican States



7 December 2016

Executive Summary

WeatherTec Ionization Technology is a unique technology to initiate and enhance rainfalls even in semi-arid regions. It is a green leading-edge technology for more natural precipitation mimicking the sun’s ionization and is completely environmental-friendly without generating any waste products. The technology was developed in cooperation with the Munich LMU, experts of the Max Planck Institute and certified by TÜV Germany. WeatherTec can be beneficiary for Mexcio with following services:

- **Increase rainfall and add new volumes of fresh water**
- **Mitigate high temperatures by building cloud coverage**

Rainfall enhancement: The amount of the created additional rainfall water is app. 18% higher than normal in more humid areas, according to the statistically proven projects. The additional rainfall during the dry winter month is potentially by factor 6-8 higher than normal. This German technology is a much more cost efficient solution than desalination, more efficient by factors than cloud seeding and not impacting the environment with chemicals as cloud-seeding. The additional fresh water will stop ground water decrease, support agriculture, prevent desertification, reevaluate dry regions and create comfort climate in Mexico.

Cloud Coverage: During the dry winter months the system would focus on enhancing rainfall and also cloud coverage to mitigate negative effects from very high temperatures. Creating cloud coverage or rainfall statistically reduces the temperature by 5-7 degrees.

Project setup and costs:

WeatherTec selected 4 potential regions for optimal operations based on meteorological analyses. Based on the government’s need they can be adapted.

Base Scenario: Option 1 (blue):

Consists of four WeatherTec stations located between Hermosillo and Los Mochis to initiate and enhance rainfalls during a full meteorological period of 12 months and benefit the humidity coming from the Gulf of California. The costs will cover also the Command and Control Center, equipment and expert team. The following cost will arise based on a 12 months operation: Initial non-recurring cost: 3.630.000 € + monthly recurring cost: 510.000 €

Option 2 (red): Four stations in the Valley of Mexico to enforce more rain in the area and benefit the humidity coming from the Pacific Ocean. Initial non-recurring cost: 2.070.000 € + monthly recurring cost: 240.000 €

Option 3 (green): Four stations located between Tampico and Veracruz to enforce more rain in the area of la Paz. Initial non-recurring cost: 2.070.000 € + monthly recurring cost: 240.000 €

Option 4 (yellow): Four stations in the south of Baja California Sur to enforce more rain in the area of la Paz. Initial non-recurring cost: 2.070.000 € + monthly recurring cost: 240.000 €

Operations: WeatherTec Services GmbH (WTS) can immediately form a “WTS Project Team” with experts from the national department of Meteorology to bring the technology to Mexico, assemble the installations and adapt method & process of the technology to the conditions in the country.

Value add: Generating additional water amount will be a vital contribution to economic success and growth and finally additional tax income for Mexico. The indirect and sustainable financial profit will be much higher than the project costs. A **know how transfer** from WeatherTec to related national organizations will be executed to ensure the best practice deployment of the technology and best use of the additional water outcome. To further leverage the impact of the additional fresh water, most advanced consulting services of The Boston Consulting Group, a strategic partner of WeatherTec can be offered.



Some eminent scientists, also on Nobel Prize level, will be involved as it was during the former projects. Mexico can demonstrate its role as technology leader by implementing this next generation technology – the most efficient and powerful one for additional freshwater.

1. Technology

Climate change is adding a further pressure on the water resources in the Federal Democratic Republic of Mexico: the number of days with an efficient rainfall will decline. Improving the outcome of rainfalls has long been just a wish than a realistic project for the country. WeatherTec Services GmbH offers now the most efficient solution to gain more freshwater by means of the ionization technology.

WeatherTec has developed a unique technology to initiate and enhance rainfalls even in semi-arid regions making it the world’s largest additional fresh water source. WeatherTec’s rainfall enhancement technology is mimicking the sun’s ionization and is completely environmental-friendly without generating any waste products. The amount of the created additional rainfall water is **app. 18% higher** than normal in more humid areas, according to the statistically proven projects.

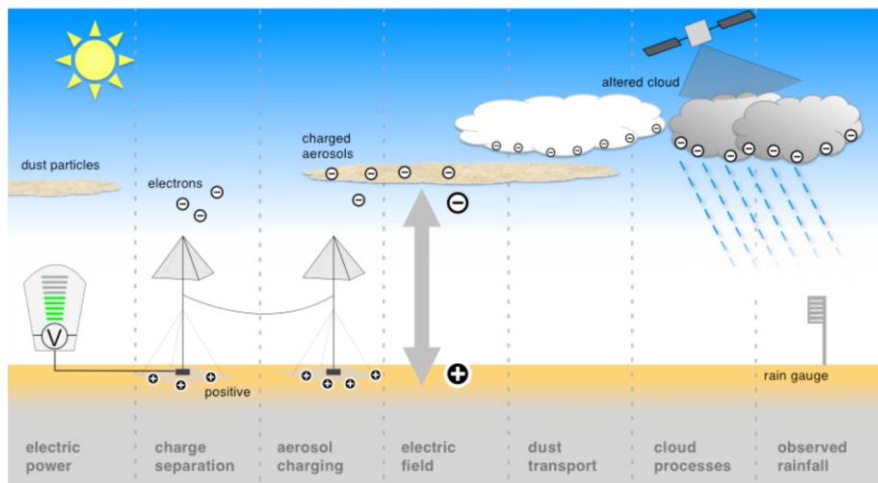


Chart: Steps of the technical process of rainfall enhancement technology WeatherTec

Technology Description: WeatherTec Ionization Technology is based on emitting billions of negative, short-living ions through generation of high voltage at low power. This negative ions charge natural aerosol particles by connecting themselves. The aerosols form a layer of negative load. This charged aerosol-plume is then transported to higher altitudes by updraft, closer to cloud formations. Cloud particles (such as ice nuclei and droplets) then become charged near the cloud base and grow by further merging with liquid droplets and/or by water vapor. Cloud particles grow much faster than without the existence of the plume. As soon as the growing droplets and ice nuclei become big enough to be captured by gravity they get appreciable fall speeds and reach the ground as raindrops. The generated rainfalls cover hundreds of km².

Proven technology: WeatherTec Ionization Technology has been proven by universities, renowned institutions and experts in the past. They also recognize that no side effects or waste products are generated being therefore the most environmental friendly technology to generate additional fresh water with the least required amount of energy.

- Technical Due Diligence, implemented by the prestigious Max-Planck-Institute, - recognizes physical proof of the underlying processes
- Statistical proof implemented by Australian Universities shows that under normal conditions the technology can increase the rainwater volume by app. 18%
- ISO 9001-2008 Certification of the overall system and method by TÜV SÜD, Germany’s leading technical supervisory board

Rainfalls have successfully been employed in three continents including Switzerland, UAE as well as Australia and are now generated in the Kingdom of Jordan. Largest statistical effects have been measured in the UAE were additional rainfalls reached +819% in June 2006. Largest effects by volume were rainfalls in Australia with

in total app. 990.000.000 m³ within 6 weeks. The Ionization Technology has been already employed to generate additional snowfalls in Switzerland where single precipitations reached 30cm of snow. This was a most important basic research test for further big projects to stop the melting of glaciers, the most important water resources. Cloud coverage to reduce temperature by app. 5°C is currently employed in Jordan and in the past in UAE and Australia. The impact on saving lives during heat waves of up to 50° Celsius and reducing energy consumption are substantial.

WeatherTec Team: WeatherTec comprises a team of the world wide best meteorologists, atmospheric physicists, engineers and technicians with long-term experience and a collaboration of 12 years. WeatherTec employs the most modern computerization and algorithm to generate the best and most precise meteorological forecast and modeling. The knowhow, experience and employed technologies equip the team perfectly to introduce Ionization Technology in Mexico within a month. WeatherTec is additionally supported by two world leading experts in water and meteorology:

- Prof. Dr. Peter Wilderer, Laureate of the Stockholm Water Prize , so-called “Water Nobel Prize”, Inventor of the “IWRM” Integrated Water Resources Management
- Prof. Dr. Hartmut Grassl, Max Planck Institute , Co-Founder IPCC and World Climate Council, Advisor to German Chancelors and UN



Collaboration with The Boston Consulting Group (BCG): WeatherTec has the unique strategic collaboration with BCG which can support governments in increasing the impact of the additional precipitation generated by WeatherTec. BCG is the world leading consultancy in strategic water management and has a deep knowhow on how to best employ water resources. The consulting services focus especially on how to leverage best the additional rainfalls based on the country’s economy, social situation and national security. Such services could be very usefull for Mexico to decide what infrastructure would be most beneficial and how to finance it. If therefore the United Mexican States recognizes the additional value of such services, BCG could support additionally on how to leverage the enhanced rainfalls best.

WeatherTec Command and Control Center: For monitoring all stations a command and control center will be setup. German meteorologists, IT experts, atmospheric physicists and engineers will work together to prepare the best forecast to ensure real time control of the operations. A customized high-resolution weather model will be developed for Mexico in collaboration with Mexican meteorological institutes. All available sources provided by Mexican meteorological institutes and authorities will be used together with data generated by WeatherTec.

3. Budget

3.1 Option 1: Base Scenario (blue)

The Base Case consists out of 4 WeatherTec stations in the states Sonora and Sinaloa. The costs will cover also the Command and Control Center, equipment and expert team. The following cost will arise based on a 12 months operation:

- Initial non-recurring cost: 3.630.000 €
- Monthly recurring cost: 510.000 €
- The Base Case consists out of the following:
 - The cost of the Expert team provided for each month to adapt and operate the WeatherTec technology solution for The United Mexican States by using best practice methods, models and applying their specific expertise and experiences.



- Mobilization of technology equipment, methods, tools and equipment
- IT hardware and 3rd party information support
- Travel and accommodation in The United Mexican States for the team during the term of this assignment

3.2 Option 2: Option 2 (red)

- Initial non-recurring cost: 2.070.000 €
- Monthly recurring cost: 240.000 €

The Upgrade consists out of additional four WeatherTec stations in the Valley of Mexico, southerly and southeasterly of Mexico City. It includes the additional setup requirements & calibration and the above described tools. Please note that the pricing is only valid together with the base scenario.

3.3 Option 3 (green)

- Initial non-recurring cost: 2.070.000 €
- Monthly recurring cost: 240.000 €

Option 3 consists out of additional 4 stations between Tampico and Veracruz

3.4 Option 4 (yellow)

- Initial non-recurring cost: 2.070.000 €
- Monthly recurring cost: 240.000 €

Option 4 consists out of additional 4 stations in the south of Baja California.

3.5 Project timeline

This offer is based on a minimum period of 12 month and can be extended to the clients need for up to 10 years. If prolonged for longer than 5 years inflation compensation will be applicable. The inflation compensation percentage shall be taken from the European Central bank and adjust the monthly recurring cost.

Price Table	Option 1 Base Scenario			Option 2		Option 3		Option 4	
	Monthly Price	Total Price	Average Price / Month	Monthly Price	Total Price	Monthly Price	Total Price	Monthly Price	Total Price
Total Non-Recurring	3.630.000 €	3.630.000 €		2.070.000 €	2.070.000 €	2.070.000 €	2.070.000 €	2.070.000 €	2.070.000 €
plus 1 month	510.000 €	4.140.000 €	4.140.000 €	240.000 €	2.310.000 €	240.000 €	2.310.000 €	240.000 €	2.310.000 €
plus 2 month	510.000 €	4.650.000 €	2.325.000 €	240.000 €	2.550.000 €	240.000 €	2.550.000 €	240.000 €	2.550.000 €
plus 3 month	510.000 €	5.160.000 €	1.720.000 €	240.000 €	2.790.000 €	240.000 €	2.790.000 €	240.000 €	2.790.000 €
plus 4 month	510.000 €	5.670.000 €	1.417.500 €	240.000 €	3.030.000 €	240.000 €	3.030.000 €	240.000 €	3.030.000 €
plus 5 month	510.000 €	6.180.000 €	1.236.000 €	240.000 €	3.270.000 €	240.000 €	3.270.000 €	240.000 €	3.270.000 €
plus 6 month	510.000 €	6.690.000 €	1.115.000 €	240.000 €	3.510.000 €	240.000 €	3.510.000 €	240.000 €	3.510.000 €
plus 7 month	510.000 €	7.200.000 €	1.028.571 €	240.000 €	3.750.000 €	240.000 €	3.750.000 €	240.000 €	3.750.000 €
plus 8 month	510.000 €	7.710.000 €	963.750 €	240.000 €	3.990.000 €	240.000 €	3.990.000 €	240.000 €	3.990.000 €
plus 9 month	510.000 €	8.220.000 €	913.333 €	240.000 €	4.230.000 €	240.000 €	4.230.000 €	240.000 €	4.230.000 €
plus 10 month	510.000 €	8.730.000 €	873.000 €	240.000 €	4.470.000 €	240.000 €	4.470.000 €	240.000 €	4.470.000 €
plus 11 month	510.000 €	9.240.000 €	840.000 €	240.000 €	4.710.000 €	240.000 €	4.710.000 €	240.000 €	4.710.000 €
plus 12 month	510.000 €	9.750.000 €	812.500 €	240.000 €	4.950.000 €	240.000 €	4.950.000 €	240.000 €	4.950.000 €

Disclaimer

This proposal was prepared by WeatherTec using every effort to offer the most current, correct, and clearly expressed information possible. Nevertheless, inadvertent errors in information may occur. There will be a new level of information when there will be more detailed information, especially by institutions, organizations and experts of the United Mexican States or other sources will be included before the launch of the project.

There will be a Non Disclosure Agreement signed by the representatives of both parties, representatives of the United Mexican States as Recipients and WeatherTec as Discloser. Already now the receiving Party shall hold, treat and maintain the Confidential Information in strictest confidence for the sole and exclusive benefit of the Disclosing Party. Receiving Party shall carefully restrict access to Confidential Information to employees, contractors, and third parties as are reasonably required. Receiving Party shall not, without prior written approval of Disclosing Party, use for Receiving Party's own benefit, publish, copy, or otherwise disclose to others, or permit the use by others for their benefit or to the detriment of Disclosing Party, any Confidential Information.

In general, WeatherTec technology operates among others especially in the fields of meteorological weather modification. This sector is still under development. Therefore, changes in the operations, procedures and practices of WeatherTec may occur during the project.

The final contract will cover the above-mentioned topics.

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