Advanced
Technologies
Corporation Ltd.

BOTTLED DRINKING WATER PLANT PROJECT

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APPROVED

CEO of “Advanced Technologies Corporation”

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CHAPTER 1

PROJECT KNOW - HOW TECHNOLOGY DESCRIPTION

The project technology consists of 4 main parts:

✓**1-st part** – Determination of water on 2000 sq.km territory

✓**2-nd part** – Underground water deposit detailing analyses

✓**3-rd part** – Water well drilling and sample water analyses execution

✓**4-th part** – Bottled drinking water manufacture

➢The 1st part : Determination of water on 2000 sq.km territory

The planed territory, of a size of 2000 sq. km, is studying from space by satellite. After gathering of a package of all necessary data this package transfer from the satellite to the Scientific Research Centre Laboratory.

In the laboratory these dates pass the special analysis and processing, with application of a technology of a nuclear magnetic resonance method.

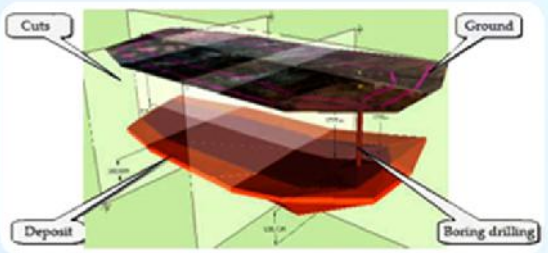
By means of the newest technologies and methods more exact territory in the size of 2 sq. km defined for a following step of search of underground waters deposit.

Approximate period of duration of carrying out of scientific works makes 1-1,5 months

➢The 2nd part: Underground water deposit detailing analyses

On the dates received from the satellite in territory of 2 sq. km detailed works on search of subsoil waters are made and again space systems and the newest technologies helps to us with it.

Dates from the earth are transferred to the satellite, for the detailed analysis of territory and deposit, and the received package of data is transferred again to the laboratory. After data processing in laboratory – result of scientific researches is the coordinates for a point for drilling!!! Stands out 1 or 2 points depending on a relief.



Thus, unprecedented till today, but the accuracy that the found water - is fresh water- makes 90 %!!!!

map and preliminary volume calculation of a deposit of underground waters can be made in3D.

Approximate period of duration of work makes about 2-2,5 months depending on a relief.

➢The 3rd part: Water well drilling and sample water analyses

Using the dates which processed by means of the Newest Know-how technology we have a result. Depending on a relief, we have specified 1 or 2 points!! in which it is necessary to make drilling works.

The well to be drilled at the point precisely specified on co-ordinates. Drilling should be executed with the casing pipe method and to be carried out by the qualified drilling org.

On this stage the samples of the water taken from the well will be analyzed by the laboratory.

Approximate period of duration for work of this part makes 7-10 days, depending on readiness of the necessary documentation and permissions.

➢ The 4th part: Bottled Drinking water manufacture

During the analysis a necessary actions and methods of clearing of water in a drink water condition are defined, for plant equipment specification issuing.
For the producing of the clean, excellent quality drinking water the BEST existing technologies should be applied.

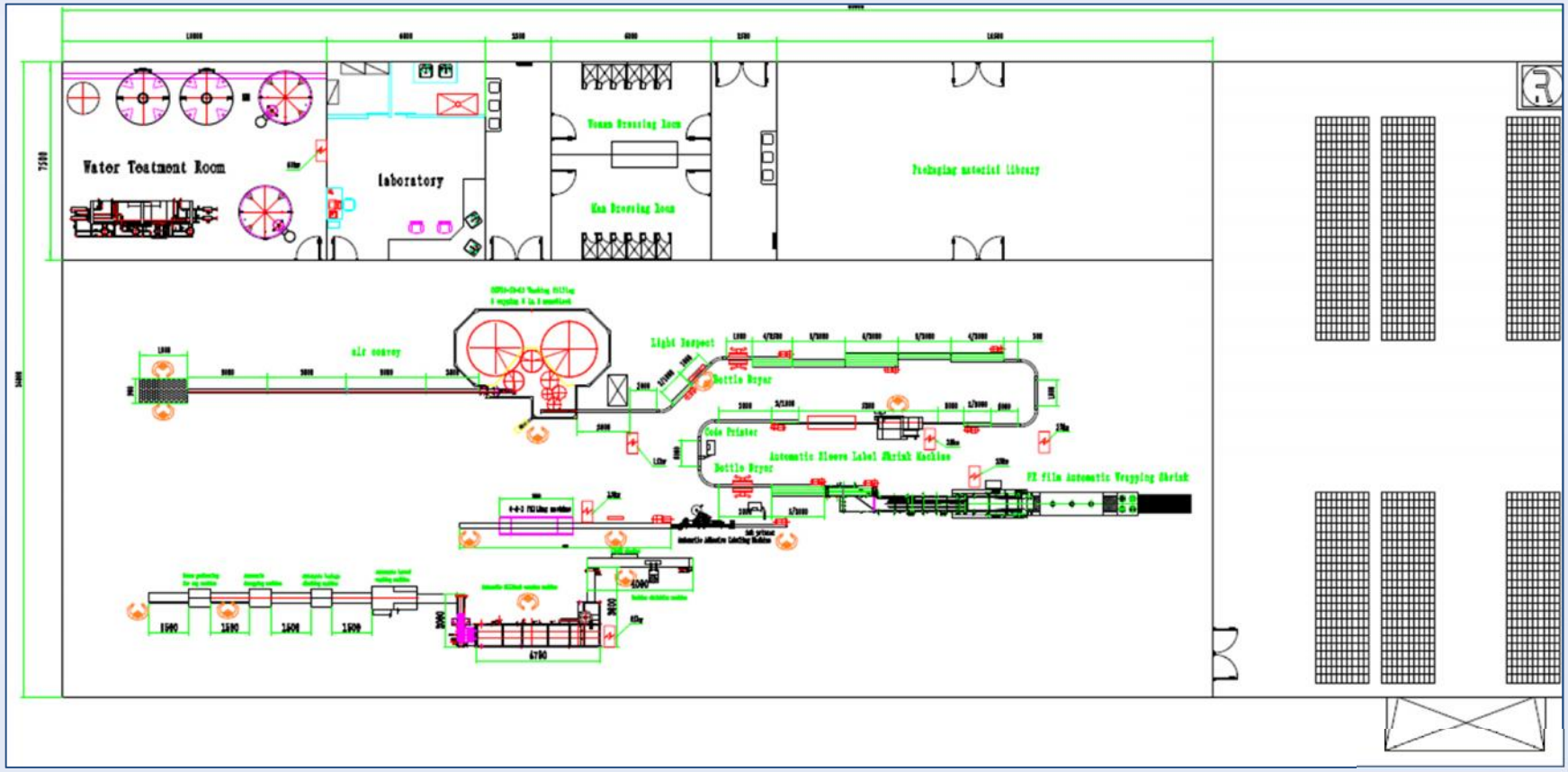
Factory will consist from 6 main modules: water purification and filtration, bottle fabrication, water bottling, labeling, and warehouse of ready product modules.

The bottled water manufacture plant construction works should start on this stage.

Water bottles are planed to manufacturing in plastic bottles in capacity of in litters 0,33/ 0,5/ 1/ 1,5/ 5/ 10/ 19/

Approximate period of duration for plant installation and start of manufacturing - makes 4 months, depending on obtaining of the necessary permit documentations.

Bottled Drinking Water Plant Manufacturing Technology Design



Bottled Drinking Water Plant Modules

CHAPTER 2

WHY TO INVEST EXACTLY IN WATER PROJECT?

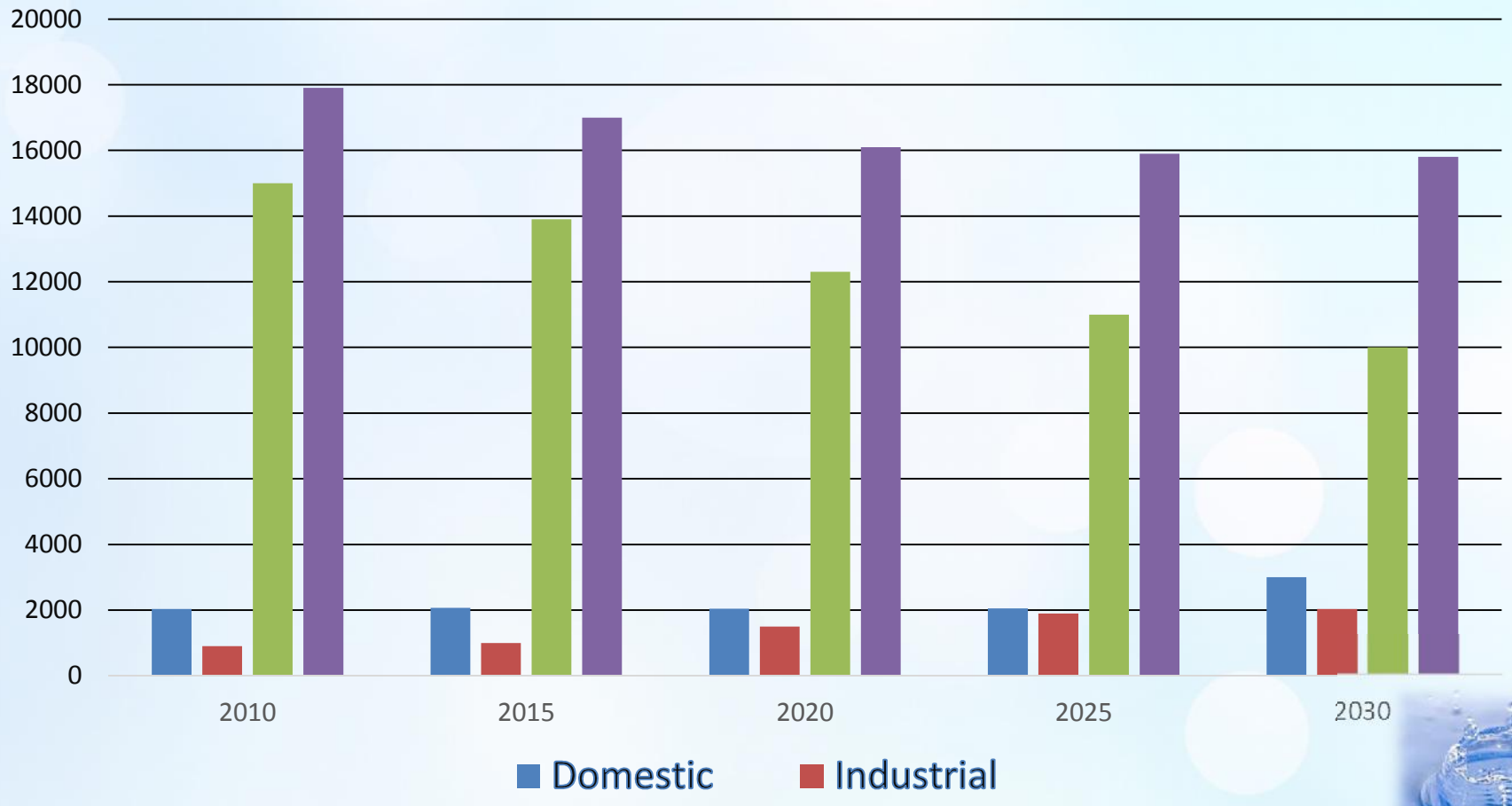
- Regarding last studies of PRINCE MOHAMMAD BIN FAHD UNIVERSITY- Saudi Arabia currently produces approximately 6,400-8,000 million m^3 of water each year.
- Existing water demand is more than 17,000 million m^3/year.
- Annual water deficit in Saudi Arabia is more than 9,000 million m^3.
- Drinking water share in whole water deficit is approximately 0.25%, which is 22.5 million m^3 and this figures will rice up year to year.

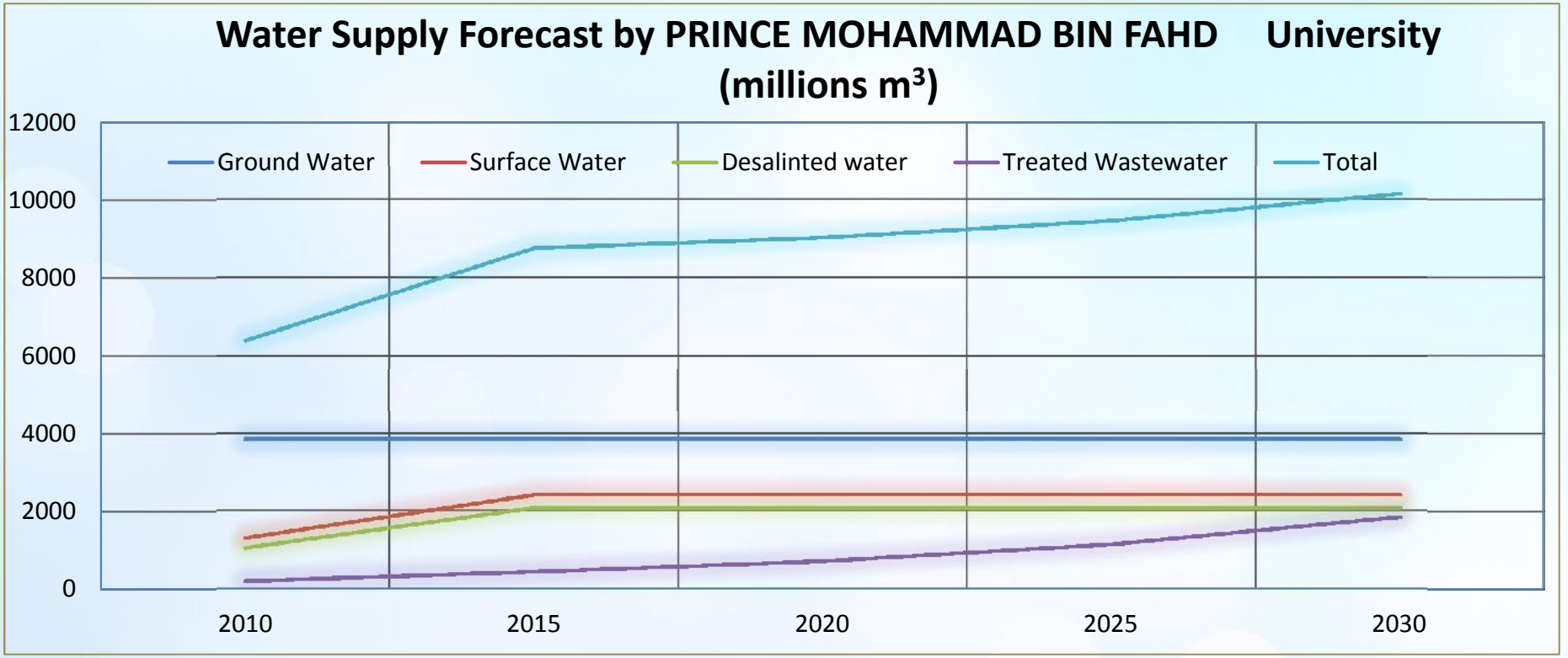
And some tables and charts

CHAPTER 3

Studies of the Water Supply and Water Demands.

Moderate Scenario of water demand increase by PRINCE MOHAMMAD BIN FAHD University (millions m^3)





	2010	2015	2020	2025	2030
Ground water	3850	3850	3850	3850	3850
Surface water	1300	2400	2400	2400	2400
Desalinated	1050	2070	2070	2070	2070
Wastewater	200	440	709	1141	1838
Total	6400	8760	9029	9461	10158

Conclusion Table

Data	Figures
Water Demand	17,000 millions m^3 per year
Water supply	Max. 8,000 millions m^3 per year
Gap	Min. 9,000 millions m^3 per year
Domestic water demand	2000 millions m^3 per year
Drinking water demand	22.5 millions m^3 per year
Current production of bottled water in Saudi Arabia	6.5 millions m^3 per year*
Daily usage of water in Saudi Arabia	286 liters per capita per year**

*Please note that 70% of demands of bottled water in all GCCcountries fulfilled by Saudi Arabia n manufacturers.
So Saudi Arabian market is not our only goal market.

*This figures are approximately more than 1,5 times bigger than in rest of the World

CHAPTER 4

PROJECT MARKET

- As we can see in the previous slides: water demand in Saudi Arabia rises up much more faster than water supply.

- That is mean we have gap in approximately 22.5 millions m^3 of drinking water annually. And this is a target market for the presented project execution.

- Existing price of 1 m^3 of bottled drinking water is $367. It means that annual capacity of empty part of this market is $8,257,500,000 usd.

- This is also the fact, that the neighbor countries are also depends on the supplying of the drinking water from KSA, so, it is planed under the project to export to the All Countries of GCC in the next stages of development.

CHAPTER 5

COST AND PROFIT.

Recurrent costs of factory (USD)
Capitalization Table

Article	Sum
Project preparation works	80 000,00
Satellite investigation & Permits	800 000,00
Drilling of wells & Permits	250 000,00
Certificates and water analysis	120 000,00
Plant design and construction work's estimation engineering package	220 000,00
Construction of factory	1 300 000,00
Factory and laboratory equipment	1 700 000,00
Furniture, PC, and etc.	150 000,00
Training and start-up (3 technical worker and 1 trainer from equipment manufacturer will work on factory for 60 days)	336 000,00
Vehicle park of factory	200 000,00
Marketing researches, branding, PR and product positioning	300 000,00
	5 456 000,00

Annual operation costs of factory (USD)
Operation table

Article	Sum
Salary fund	1 500 000,00
Expat management living expenses	150 000,00
Electricity charges ($ 0,064 per kwh)	160 000,00
Materials for production (bottles, caps, labels)	890 000,00
Facility charges	400 000,00
Equipment and vehicles maintenance	400 000,00
Annual marketing budget	200 000,00
Plant Certificates	100 000,00
Manufacture licenses and standardization	150 000,00
Land rent	300 000,00
	4 250 000,00

COST AND PROFIT.

- Therefor total cost of all investigation, researches, construction, equipment and one year of exploitation is $9,706,000

- Prognosis for annual turnover of factory based on 18 cubic meters per hour of bottled drinking water producing capability of factory and average price for 1 cubic meter of drinking water of $ 290 in Saudi Arabia. So our factory can produce annual more than 41040 cubic meters of high quality drinking water. It means that yearly turnover of factory could be more than $11,901,600.

CHAPTER 6

SERVICES WE CAN PROVIDE

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if you decided to start or develop or check volume of Your own water or minerals deposits (including metals, oil, gas or others)

- Services we can provide:

- determination of the fact of presence or absence of mineral deposits in an investigated territory- before you start invest your money into the business.
- If you have already got the field- we can define of exact characteristics of deposit (error of ground-level contours of deposit is ±10 m, error of occurrence depth is less than 5 %). Give you of 3D shape of a real deposit and calculation of preliminary volume of extractable oil, gas, water.
- Choice of optimum points (coordinates) for productive drilling. With productivity is not less than 90 %.

Notes:
Prices depends from field and scope of work . Oil Gas and Metals needs deeper analyses, so this is a bit expensive compare the water.
All permits should be obtained by client for his name