



SSI Aeration

Design

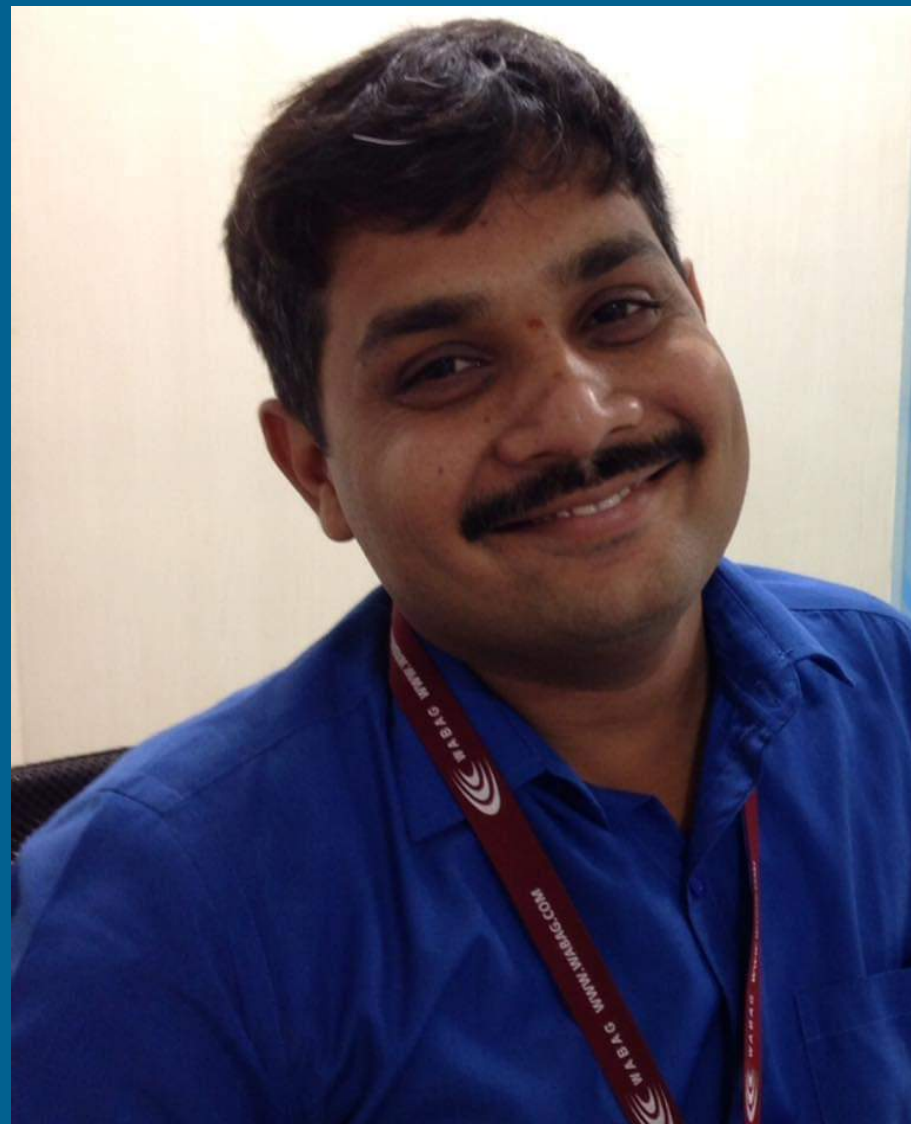
Calculator

MAY 28TH 2020



Meet our team presenting

Kiran Kumar "Nim"



Lina Chiaverini

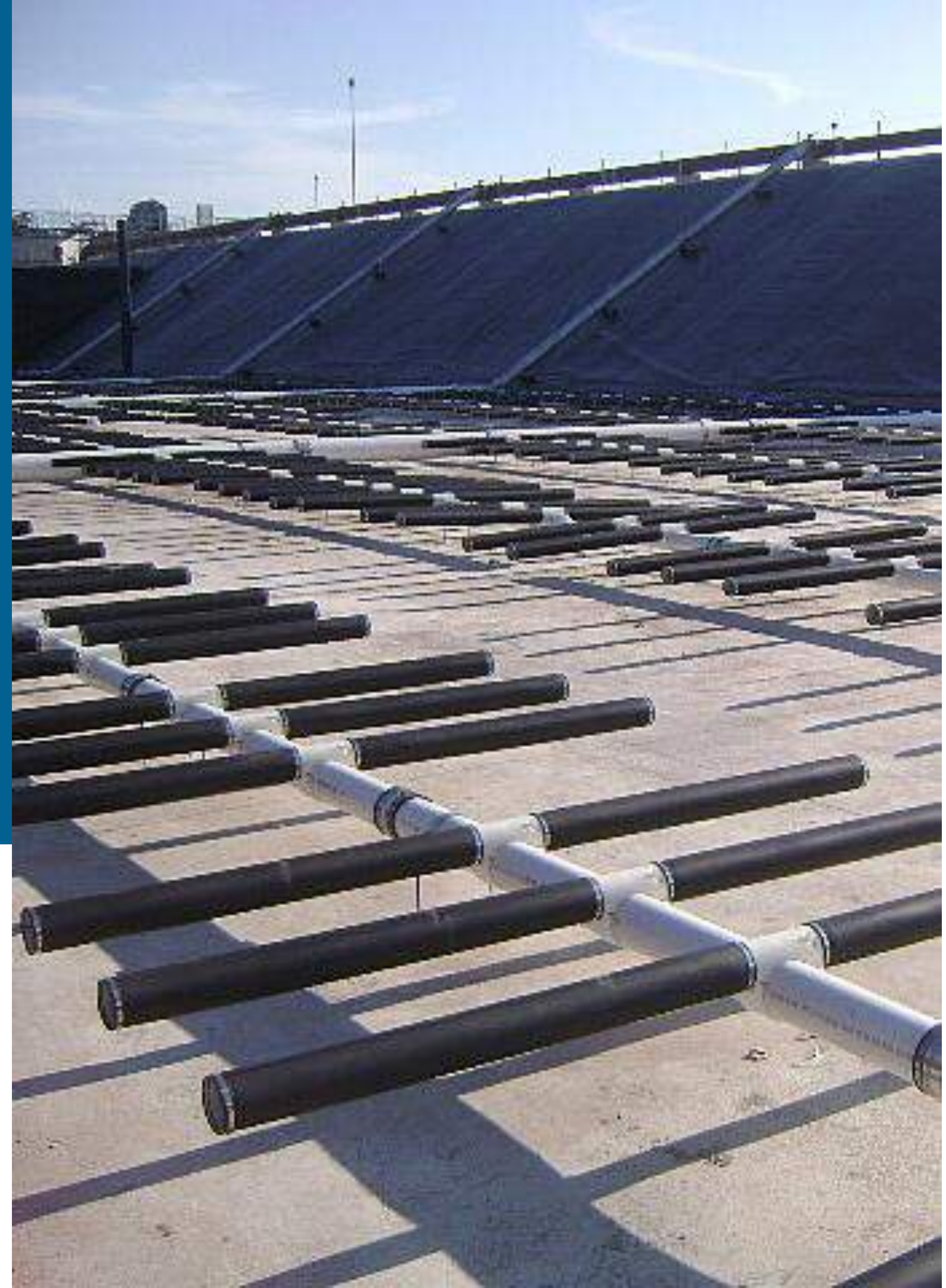


WHY USE THE SSI DESIGN CALCULATOR?

You need an aeration system calculation or quote, and you need it ASAP.

With SSI's design tool you can instantly create your own quote and single line drawings!

Want to try different diffuser models? No problem. Our design tool can customize the output based on your needs.



AFD270-1mm DISC FINE BUBBLE DIFFUSED AERATION SYSTEM

Doc #	
Project :	TEST
Date :	5-21-2020
Process Type :	AST
Type of Input :	BOD
Diffuser Type :	AFD270-1mm
Tanks Type:	Rectangular

Tank 1	Units	Condition
		Capex
BOD	(mg/l)	370
NH3-N	(mg/l)	48
Wastewater Flow	(m3/day)	1,200
Liquid Temperature	(°C)	18
Site Elevation	(m)	2,240
Tank 1 Length	(m)	28
Tank 1 Width	(m)	28
Diffuser Water Depth	(m)	4.7
SOR	(kg O₂/hr)	84.67
Total Airflow	(Sm³/hr)	1,724
Airflow Per Diffuser	(Sm³/hr)	1.67
Diffuser Quantity	(pcs)	1,032
Diffuser Density	(%)	5
SOTE	(%/m)	7.12
Total SOTE	(%)	33.48
Blower Pressure	(mbar)	570
Pressure @ Top Of Dropleg	(mbar)	512.31

What does the software do?

FULL TECHNICAL PROPOSAL

With just a few clicks our software can generate a full technical design that includes calculation sheet, curves, and single line drawing

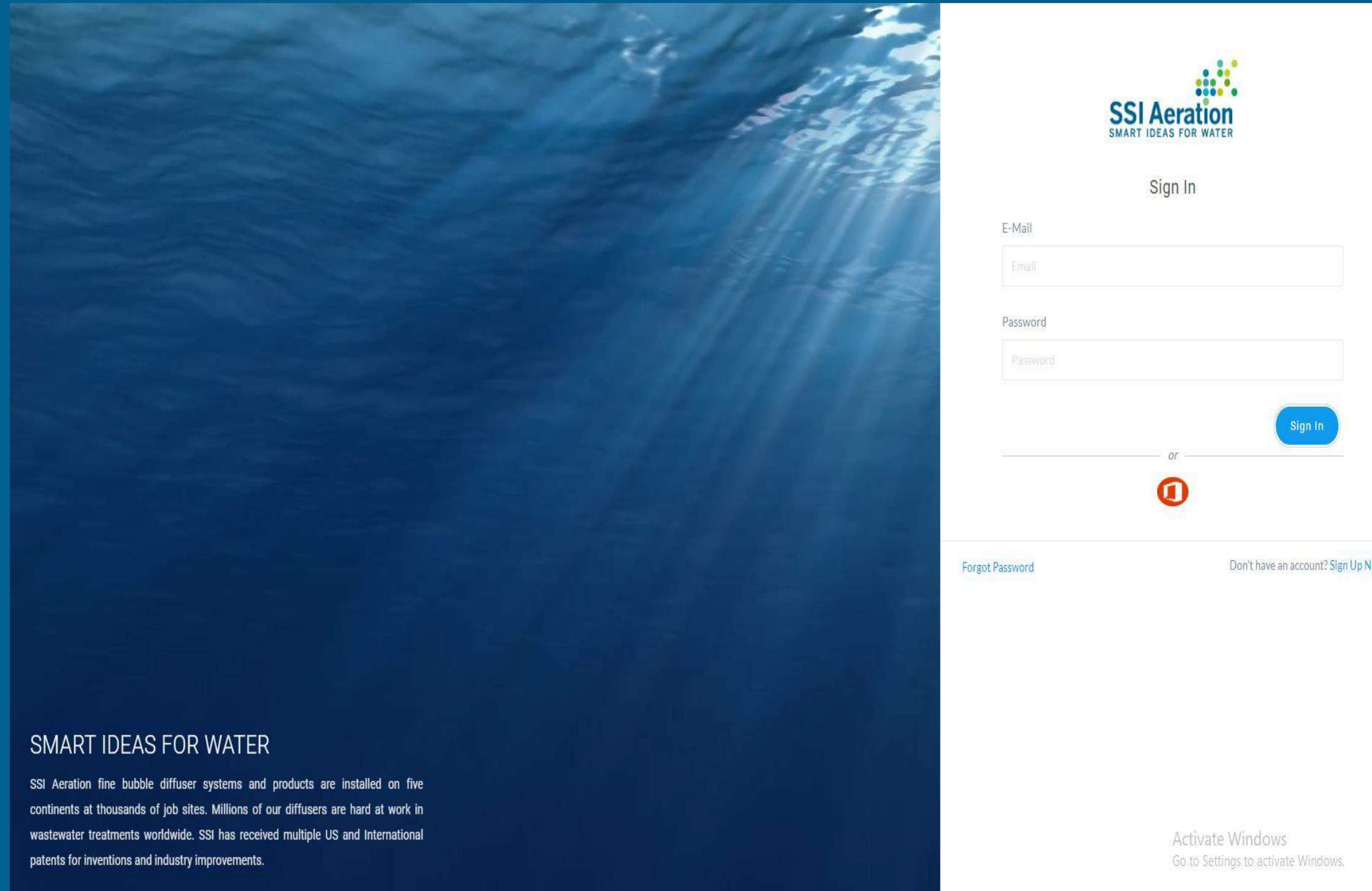
COMMERCIAL OFFERING

In addition to a full technical spread the software also can generate an instant budgetary aeration system proposal for your evaluation

What Can I expect in the output?

- Sound Aeration Design calculations and Commercial System proposal in minutes- Perfect for preliminary designs!
- It is not meant to replace our expert technical assistance- it is there as another resource
- Considers industry standards for different aeration processes and applications
- Comparison of different diffuser options depending on project objectives (highest Operational Efficiency or lowest Capital Expense)
- Reliable SOTE values from independent SOTE tests based ASCE standards.
- Integration of a series of other parallel software (CurveGen, etc.)
- **Coming soon!** Whole Life Cost Calculation

How do I log in?



The image shows a screenshot of the SSI Aeration website's sign-in page. The background is a dark blue image of water with light rays filtering through. On the right side, there is a white sign-in form with the SSI Aeration logo at the top. The logo consists of a cluster of colored dots (green, yellow, blue) above the text "SSI Aeration" and "SMART IDEAS FOR WATER". Below the logo is the text "Sign In". The form has two input fields: "E-Mail" with a placeholder "Email" and "Password" with a placeholder "Password". A blue "Sign In" button is located to the right of the password field. Below the input fields is a horizontal line with the word "or" in the center, and a red circular icon with a white square inside. At the bottom of the form, there are two links: "Forgot Password" on the left and "Don't have an account? Sign Up Now" on the right. At the bottom of the page, there is a watermark "Activate Windows" and "Go to Settings to activate Windows."

SMART IDEAS FOR WATER

SSI Aeration fine bubble diffuser systems and products are installed on five continents at thousands of job sites. Millions of our diffusers are hard at work in wastewater treatments worldwide. SSI has received multiple US and International patents for inventions and industry improvements.

Forgot Password [Don't have an account? Sign Up Now](#)

Activate Windows
Go to Settings to activate Windows.



design.ssiaeration.com



SSI Aeration

THANK YOU

For a Q&A Session please stay on the meeting

HAVE A QUESTION? PLEASE RAISE YOUR HAND OR USE THE Q&A CHAT FEATURE AND OUR TEAM OF PANELISTS WILL RESPOND

WWW.SSIAERATION.COM

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