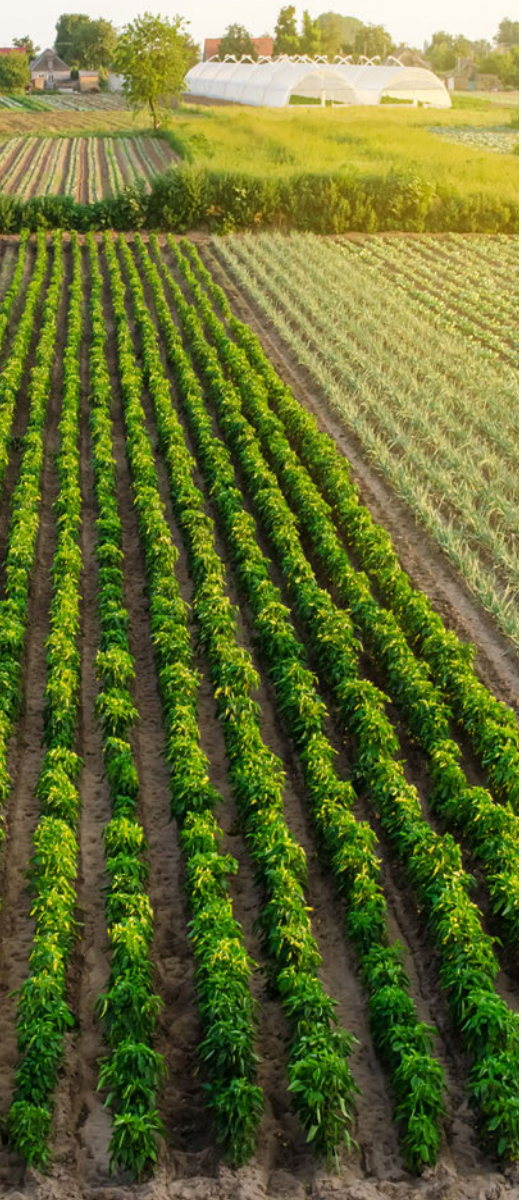
# REGEN SOLUTIONS USED IN THE AGRICULTURE INDUSTRY



At ReGen Global, we specialise in engineering solutions that utilise the extraordinary potential of controlled hydrodynamic cavitation.

We are proud to offer our revolutionary multi-chamber hydrodynamic cavitation devices for use in the agriculture industry. Our devices have the capability to improve and accelerate the process of gas infusion into soil. By utilising hydrodynamic cavitation, our devices are able to produce nano- sized bubbles that allow for higher gas transfer rates and retention time in liquid.

Adding one of our infusion devices to your operation allows for greater absorption of infused gases by the soil, which increases soil health and encourages development of complex biofilms when beneficial gases such as oxygen are used. With a patented flow-through design and no moving parts, our technology is a scalable solution that is easy to install and retrofit into existing systems.

# REGEN GLOBAL SOLUTIONES USED IN THE AGRICULTURE INDUSTRY

## FEATURES

- 100% gas infusion in a single pass at 0.5% of gas to water flow
- Infuse virtually any gas into virtually any liquid
- Infusion Capabilities below 10 nano sized bubbles
- 10 nano produces beyond 1 trillion nanobubbles per ml
- Component integration into existing systems and solutions
- Exceptional product lifespan
- No moving parts
- Flow-through design limiting the potential for blockage

## BENEFITS

- Exceptional gas retention time in fluid
- Supersaturation of gases in a single pass
- Higher dissolution rate
- Increased gas absorption rate by organisms
- Promotes soil health*
- Increased disease resistance of crops*
- Increased growth & yield*
- Improved crop quality*
- Reduced overhead costs

*Based on hydrogen and oxygen nanobubble gas infusion figures.

First Floor, Incubator Building
Masdar City, Abu Dhabi
United Arab Emirates
info@regenglobal.me
regenglobal.me