

11

Innovative Solutions for BES Efficiency

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11 Innovative Solutions for **BES** Efficiency

- **HBPS Electrode** → **4x** Conductivity, **5x** Surface Area
- **RCCB Busbar** → **30%** Voltage Drop Reduction
- **Smart Gas Pulsing** → Self-cleaning, **+20%** Night Efficiency
- **Nano-Magnetic Nutrient Delivery** → **+30%** Growth
- **Multi-layer Cooling & Filtration** → **Longer Life, Lower Cost**
- **IMSEC AI Controller** → **+10–15%** Total Efficiency



GOLDEN IDEAS

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11 Innovative Solutions for **BES** Efficiency





- ✓ Modular, **affordable**, and scalable solutions for BES.
- ✓ **+15%** overall efficiency gain with AI-driven optimization.
- ✓ Provisional patents filed at USPTO .
- ✓ Designed for **sustainable** cities & **clean energy industry**.



GOLDEN Advantages

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11 Innovative Solutions for **BES** Efficiency

-  **Affordable:** Up to **70%** lower cost
-  **Efficient:** **15–30%** higher performance
-  **Modular:** Easy integration with existing BES
-  **Scalable:** From lab to industrial use



GOLDEN Advantages

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