



## Unlock Your Plant's Full Potential

DD-Jet Stealth®, FuzEvent®, SulfGen™ & Operational Assessment



YOKOGAWA



# Optimizing Your Plant with Integrated Solutions

At Dublix Technology, we provide innovative solutions designed to enhance the performance, efficiency, reliability, and lifetime of Waste-to-Energy and Biomass plants. Each solution delivers substantial benefits on its own but becomes even more impactful when integrated. Together, they create a seamless strategy to address operational challenges and unlock your plant's full potential.

- **Operational Assessment:** A deep-dive evaluation and suggestions to improve your plant's performance
- **FuzEvent®:** An advanced combustion control system that stabilizes and maximizes operations, **improves efficiency, and reduces emissions.**
- **DD-Jet Stealth®:** An automated boiler cleaning system that removes fouling maintaining heat transfer, reducing corrosion and minimizing downtime.
- **SulfGen™:** A chemical treatment solution that weakens deposits, reduces corrosion and prepare the boiler for effective cleaning.

## Working Better Together

Our solutions are designed to complement each other:

- **Start with Insight:** An **Operational Assessment** lays the foundation for precision solutions by identifying inefficiencies and customizing optimization strategies.
- **Optimize Combustion:** **FuzEvent®** ensures stable and efficient plant operation, reducing emissions and maximizing throughput.
- **Strengthen Cleaning Cycles:** **SulfGen™** pretreatment weakens boiler deposits and reduces corrosion, enabling the **DD-Jet Stealth®** cleaning system to operate more effectively.

For example, pairing **SulfGen™** with **DD-Jet Stealth®** results in faster and more effective cleaning, while an **Operational Assessment** combined with **FuzEvent®** delivers stable combustion control and reduced manual intervention. Together, these solutions enable smoother operations, lower emissions, and prolonged equipment life with a short payback time.

## Contact Us

Explore how Dublix Technology can transform your plant with tailored, integrated solutions. Let us help you achieve long-term reliability, efficiency, and sustainability.

## How We Can Help You

Boiler Evaluation

Cleaning

Pre Coating

Process Optimisation





# Unlock Your Plant's Full Potential

## Operational Assessment

Struggling with inefficiencies, emissions challenges, or capacity limits in your Waste-to-Energy (WtE) or Biomass (BtE) plant? Dublix Technology's Operational Assessment provides a second opinion through a deep dive into your plant's operations, uncovering actionable opportunities to enhance efficiency, boost capacity, and meet environmental standards—all without major investments.

## How we Work

- Our team of seasoned WtE and BtE experts conducts a comprehensive evaluation of your plant's processes, equipment, and performance data. Leveraging advanced tools and decades of industry know-how, we deliver tailored recommendations that address your plant's unique challenges and goals.

## Key Benefits

- **Enhanced Efficiency:** Optimize the combustion process and energy output to cut costs and improve reliability.
- **Improved Emission Control:** Meet or exceed environmental standards with reduced CO, NOx, and other emissions.
- **Increased Throughput:** Unlock additional capacity without costly upgrades.
- **Prolonged Equipment Life:** Minimize wear and tear by streamlining operations and reducing system stress.



## What to Expect

- **On-Site Expertise:** Direct, hands-on assessment by seasoned WtE and BtE specialists.
- **Comprehensive Analysis:** Performance benchmarking and identification of improvement areas.
- **Tailored Action Plan:** Clear, practical, prioritized recommendations to address specific challenges.
- **Ongoing Support:** Implementation guidance and continuous monitoring for sustained improvements.
- **Achieve higher job satisfaction for your staff.**

## Turn Challenges into Opportunities

- Frequent downtime? Fluctuating efficiency? Rising maintenance costs? With a Dublix Technology Operational Assessment, you'll gain the insights and tools to transform your plant into a model of stability, efficiency, and environmental compliance.

# Your 24/7 Superior Operator Assistant

## FuzEvent®

Are operational inefficiencies, emission challenges, or frequent manual adjustments holding back your Waste-to-Energy (WtE) or Biomass (BtE) plant? FuzEvent® is your 24/7 high-performance combustion control solution, engineered to solve these challenges with precision, consistency, and measurable results.

## Why FuzEvent®?

FuzEvent® works like your best operator – **always on duty**, delivering reliable performance and reducing the strain on your team. Designed to integrate effortlessly with your Distributed Control System (DCS), it provides stability, efficiency, and environmental compliance while minimizing operator workload.

## What Can FuzEvent® Deliver for Your Plant?

- **Stabilized Steam Production:** Reduce fluctuations by **15-40%**, ensuring smoother, more predictable operations.
- **Boosted Capacity:** Increase plant output by **2-6%**.
- **Lowered Emissions:** Achieve precise control of process to significantly reduce **CO and NOx emissions**.
- **Seamless Deployment:** Installed quickly with **zero plant downtime**, fully compatible with your DCS.
- **Enhanced Operator Efficiency:** Less reliance on manual adjustments, enabling inexperienced operators to perform like seasoned professionals.



## For Operators, By Operators

FuzEvent® tackles the day-to-day headaches operators face:

- **Inconsistent power output** causing performance variability.
- **Emission limits** that are hard to meet consistently.
- **Boiler fouling issues** that disrupt efficiency.
- **Manual adjustments** that drain time and energy.

## The FuzEvent® Approach

1. **Assessment:** A comprehensive evaluation of your current operations.
2. **Implementation:** A fast, disruption-free installation.
3. **High operator acceptance:** Reduce the need for routine operator intervention in the operation.
4. **Support:** Continuous performance monitoring and expert service contracts to keep your system optimized.

## Ready to Optimize?

Transform inefficiencies into opportunities.

# World's Best Boiler Cleaning

## DD-Jet Stealth®

Fighting persistent boiler fouling in your Waste-to-Energy (WtE) or Biomass (BtE) plant? DD-Jet Stealth® is the next-generation automated cleaning system designed to eliminate ash and fouling buildup with precision – keeping your boiler at peak performance, even during full-load operation.

## Why DD-Jet Stealth®?

Say goodbye to manual cleaning disruptions. DD-Jet Stealth® delivers consistent cleaning, reduces downtime, and maximizes efficiency – all with minimal water consumption and robust durability.

## Key Benefits

- **Unmatched Cleaning Efficiency:** Precision low-pressure water jets tackle fouling to maintain optimal heat transfer.
- **Minimized Downtime:** Fully automated operation keeps your plant running with less reliance on shutdowns or manual intervention.
- **Customizable Design:** I, U or S-shape monorail systems ensure thorough, tailored cleaning coverage.
- **Water-Efficient Operation:** Consumes only **30-70 liters per minute** when cleaning.
- **Built to Last:** High-grade stainless-steel construction ensures reliability in demanding environments.

## Advanced Features

- **Patented Nozzle Technology:** Reaches even the most challenging areas for effective cleaning.
- **High-Temperature Capability:** Operates at temperatures up to **1100°C** without halting production.
- **Interactive Control:** Monitor and adjust cleaning in real-time using an intuitive interface.
- **Targeted Cleaning:** Focus on specific zones for fouling removal, avoiding unnecessary wear on non-cleanable areas.

## Why It Matters

Boiler fouling can cripple the boiler efficiency, raise emissions and corrosion, and drive-up maintenance costs. With DD-Jet Stealth®, your plant stays clean, productive, reduce risk for falling fouling objects and environmentally compliant – without disruption.

## Proven Performance

Trusted by leading WtE plants worldwide, DD-Jet Stealth® delivers superior cleaning results, reduced downtime, and unmatched reliability in the toughest conditions.

## Take the Next Step

Revolutionize your boiler cleaning process with DD-Jet Stealth®.



# Combat Fouling and Corrosion with Smart Chemistry



## SulfGen™

Is boiler fouling and corrosion draining your plant's performance and raising costs? SulfGen™ is a patented state-of-the-art system designed to tackle these challenges by optimizing combustion, protecting boiler components, and reducing maintenance efforts.

## Why SulfGen™?

SulfGen™ weakens deposits and prevents corrosive chloride compounds from forming, making cleaning easier and extending the life of critical equipment. Its fully automated, real-time monitoring system ensures consistent results with minimal operator input.

## Key Benefits

- **Enhanced Boiler Protection:** Mitigates high chloride caused corrosion, reducing costly repairs and downtime.
- **Simplified Cleaning:** Weakens boiler deposits for faster, less aggressive cleaning cycles.
- **Cost Savings:** Cuts reliance on manual cleaning and aggressive chemical treatments, reducing maintenance expenses.

- **Automated Monitoring:** Tracks performance and executes safety checks in real-time for reliable operation.
- **Keep the plant at maximum load:** Flue gas temperature under control with no critical fouling in super heaters.

## How SulfGen™ Transforms Your Plant

- **Prolongs Equipment Life:** Reduces wear on critical components, protecting your investment.
- **Improves Combustion Efficiency:** Achieves better heat transfer and reduced fouling buildup.

## Tailored to Your Needs

From initial design to installation and ongoing optimization, SulfGen™ is customized to address the unique challenges of your plant.

## Transform Your Boiler Operations

Extend the life of your equipment, improve efficiency, and reduce costs with SulfGen™.



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Dublix Technology is offering engineered solutions to improve operation & maintenance of WTE plants.  
Customizable for the operator's needs to improve production rates, availability and energy efficiency.

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