

THE FUTURE IS WHAT WE MAKE IT: INTRODUCING HONEYWELL CFX™

SHAWN TANAGHO, KE-BIN LOW & ROBERT YORK - HONEYWELL



Up to **1400 °C**
stable operation



10-1000 GPH
capacity



Designed
for **CF4 conversion**

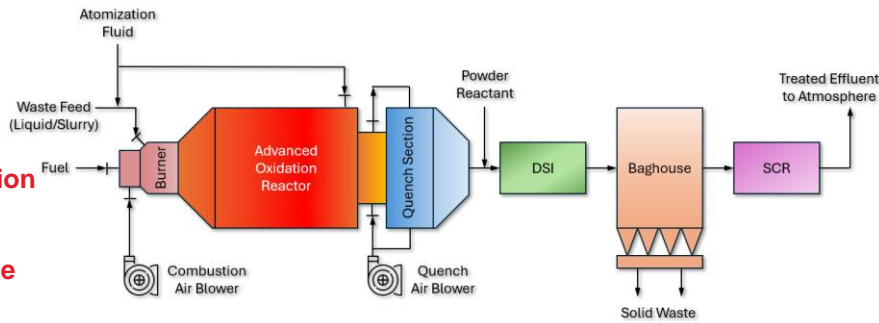


Zero liquid waste
discharge



Automated
with minimal maintenance

WHAT IS HONEYWELL CFX™ ?



THE ENCOMPASSING SOLUTION

Destruction Methods for Solid Wastes	Solid Media			Liquid Media		
	Soil	Spent GAC	Spent IX	Still Bottom	Foamate	RO Reject
CFX	●	●	●	●	●	●
SCWO	●	●	●	●	●	●
HALT	●	●	●	●	●	●
Incineration	●	●	●	●	●	●
Ball Milling	●	●	●	●	●	●
Electron Beam	●	●	●	●	●	●

● Applicable ● Maybe applicable (engineering issues) ● Not applicable (engineering issues)

Developing Technologies

Limited applicability as well as **expensive**.
Technically **challenging** & **time-consuming**

Shortcomings of Conventionalism

Landfilling is future **liability**.
Incineration creates potential **incomplete destruction** that release to the atmosphere.
Carbon reactivation has **limited applicability**

HONEYWELL CFX™ DIFFERENTIATORS

	HONEYWELL CFX™	GENERIC INCINERATION	GENERIC SCWO	GENERIC HALT	GENERIC ECO
WASTE AGNOSTIC	●	●	●	●	●
PICs	●	●	●	●	●
LOW-PRESSURE OPS	●	●	●	●	●
RESIDENCE TIME	< 10 secs	< 10 secs	10 – 30 secs	600–1,800 secs	> 1,800 secs
ASSET'S LIFE	●	●	●	●	●
THROUGHPUT	Up to 1000 GPH	Up to 1000 GPH	Up to 800 GPH	NA	NA

● : BEST
● : AVERAGE
● : POOR

READY-NOW, MATURE TECHNOLOGY



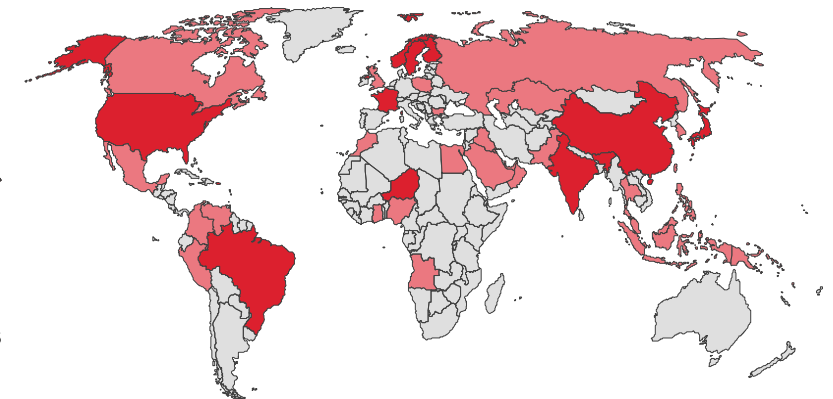
350+
deployments
globally



30+
year experience



12 C-F
bond-specific
destruction systems



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UOP

References:
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 • Drinking Water Treatment Regulations, Technologies, and Remediation Forecasts 2022–2030, Insight Report, Bluefield Research, May 2022
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