For Bulgaria-Japan Business Forum,

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IHI group's efforts to achieve global decarbonization

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Company Overview

IHI







Rising electricity demand underscores need to establish an economically viable power generation mix

- Electricity demand should increase with digital and green transformation progress
- Progressing toward carbon neutrality through economically viable energy mix



IHI

Stepwise increase of combustion ratio toward zero CO₂ emissions



IHI nuclear business for Total & Global solutions

IHI

- Track Record in Nuclear field
- One Stop Supply Chain
- Solution for Nuclear Lifecycle
- for 70 years
- Engineering to Installation
- New Build to Back-End



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In Japan, IHI is working for,

Re-start Reactors

- Reliable Construction
- High Level Radioactive Waste *Development to Realize Plant* \checkmark
- Fukushima Recovery

- Joint Work with Operator

And for recent US AP1000 for the components critical to plant construction. The Key success factors,

(1) **Planning** - With nuclear culture, manufacturability, constructability.

(2) Full Communication – With all stakeholders (including local players)



Structural Modules

Containment Vessel



Shield Building Roof

Source of pictures of construction site Georgia Power Company Website] https://vogtlegallery.georgiapower.com

IHI

SMR to be Real with Nuclear expertise



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Small Modular Reactor (SMR)

IHI invested to SMR technology with Japan, US and Korean partners, to realize another nuclear solution.

Team "Japan NuScale Innovation"			
IHI	JGC		CHUBU Electric Power
Technology	EPC	JBIC Finance	Operator

IHI and the integrated team to contribute for stronger Energy mix !



Completion of real-size Mock-up of SC Wall Copyright © IHI Corporation All Rights Reserved.



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