

# Freeing the Potential of Nuclear Energy

Last Energy is a new nuclear energy solution for industrial customers—rapidly deploying affordable, clean power through a full-service delivery model.



The Last Energy PWR-20 micro modular power plant uses only proven nuclear technology and leverages modular manufacturing to scale production and rapidly develop plants in parallel.

#### **APPROACH**

### A new nuclear delivery model

#### **Rapid Deployment**

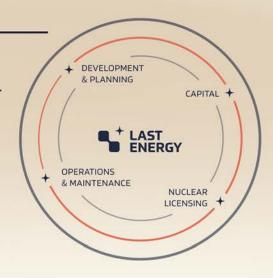
Our modular building approach accelerates time from Final Investment Decision to Commercial Online Date to <24 months.

#### 24/7 Clean Energy for Industry

Affordable, dedicated, dispatchable power offers energy security and independence, stability to accelerate growth.

#### Full-Service Delivery Model

We take responsibility for all aspects of project development, from financing through lifetime operations.



#### **TECHNOLOGY**

## Fully modular, factory made

**Proven:** Pressurized Water Reactor technology is currently operating in 300+ power plants.

**Modular:** Factory made components are integrated in standardized modules for rapid assembly.

**Scalable:** Power capacity scales in 20 MWe increments by adding identical units in parallel.

**Tested:** Every component selected for our facility has an operational track record across hundreds of facilities.

#### **TECH SPECS**

## The scalable, standardized solution

Reactor Type: Single loop PWR, 300°C continuous output	Output: 20 Megawatts electric, ~80 Megawatts thermal
<b>Fuel:</b> Standard full length PWR fuel, <4.95% enriched, 17x17 array	Capacity Factor: 95% uptime, 72 month fuel cycle, <3 month planned outage
Cooling: Closed cycle air cooling for tertiary loop, <8 gpm water use	<b>Structure:</b> Subterranean nuclear island, low-profile balance of plant (12 m)



