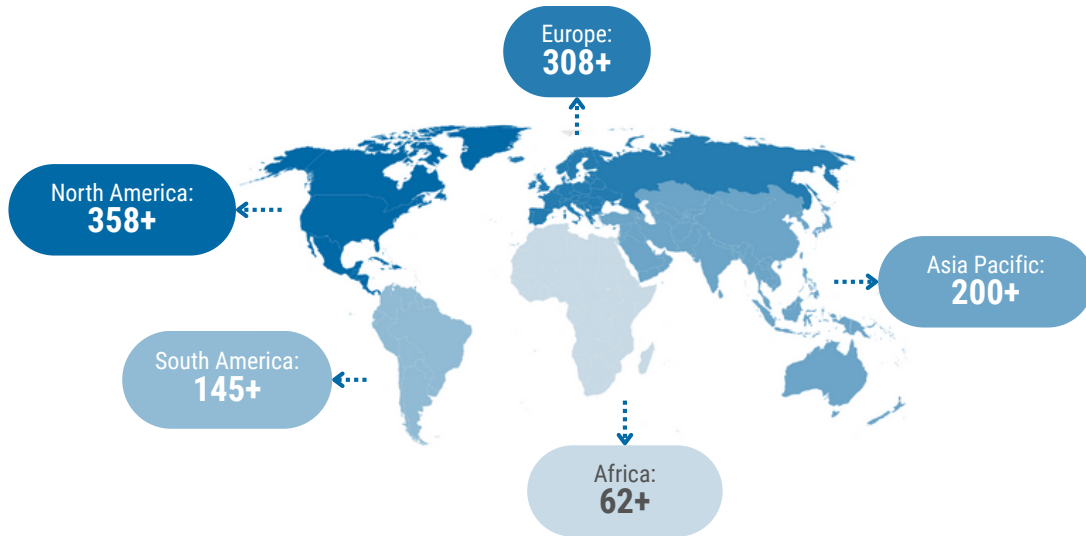
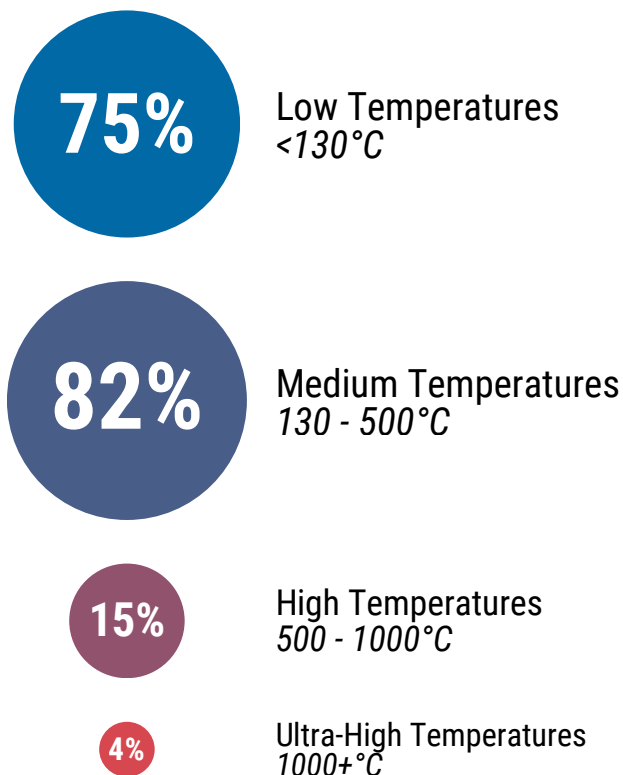


BUYER PROFILES: SUMMARY

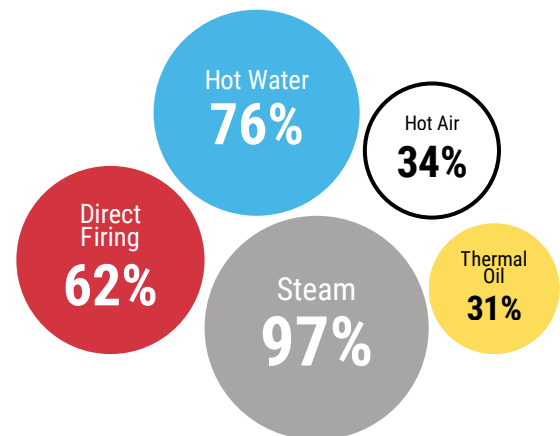
Attending buyers are responsible for more than 1,000 facilities worldwide:*



These percentages of surveyed buyers reported using heat at the following temperatures:



These percentages of surveyed buyers reported delivering heat via the following methods:

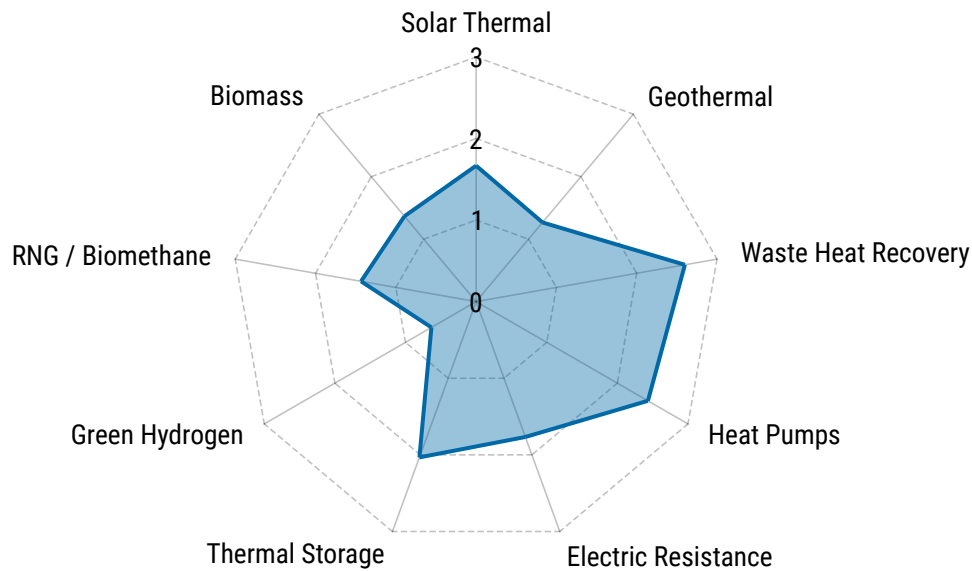


Survey data based on responses submitted by 30 buyer staff out of 62 total attending the event.

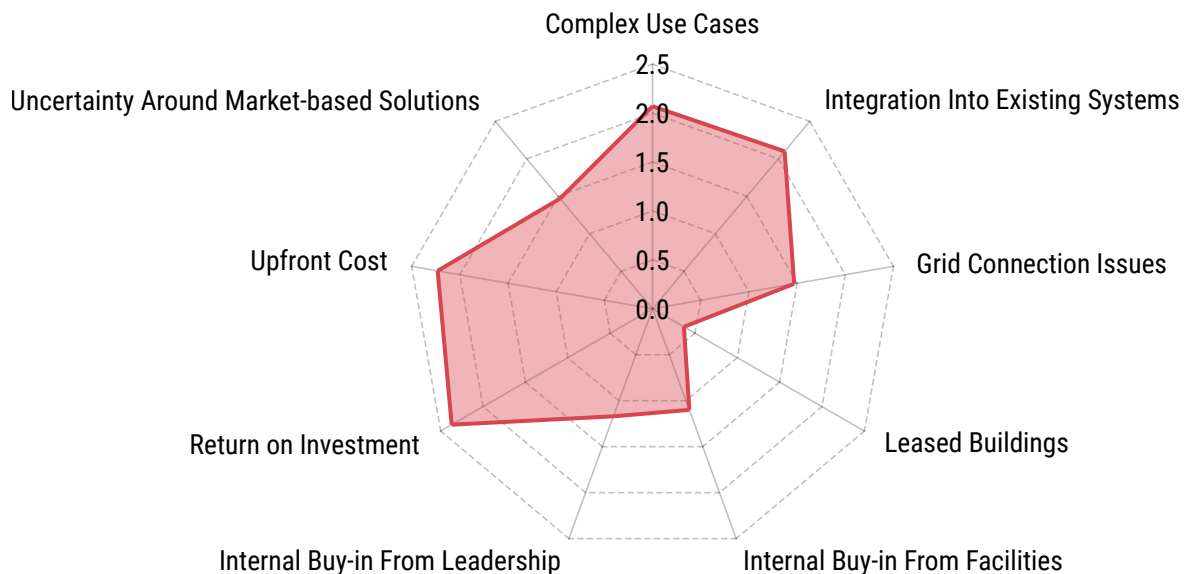
* Facilities count represents the most conservative total number of facilities reported by the 30 survey respondents, who indicated ranges of facility counts in each continent. Therefore, the listed sum of facilities represented by attending buyer staff is likely an underestimate.

BUYER PROFILES: SUMMARY

Average interest from buyers in different renewable thermal technologies (0-3 scale):



Average ratings given by buyers to different challenges facing their thermal decarbonization efforts (0-3 scale):



DO NOT SHARE: Information intended for survey respondents only.



**ESTEFANY
ACUÑA**

Lead Manager - Sustainability

Reynolds American Inc.

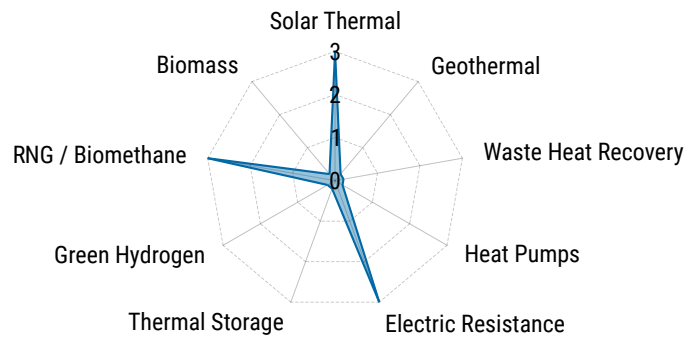
✉ acunae1@rjrt.com

HEAT DELIVERY METHODS

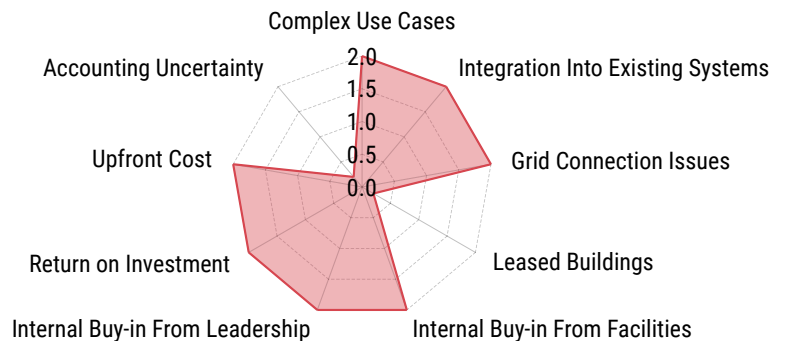
Hot Water

Steam

INTEREST IN TECHNOLOGIES

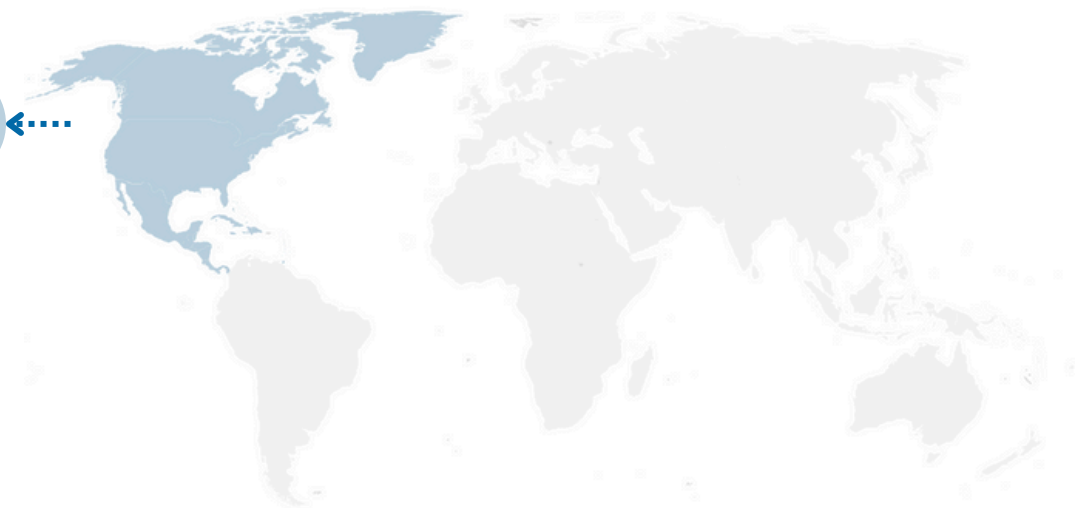


GREATEST CHALLENGES



FACILITIES FOOTPRINT

North America:
1 - 10
facilities



Ball

**EMILY
ADAMS**

Sustainability Process Engineer

Ball Corporation

✉ eadams@ball.com

TEMPERATURE DEMAND

Low (<130°C)

Medium (130-500°C)

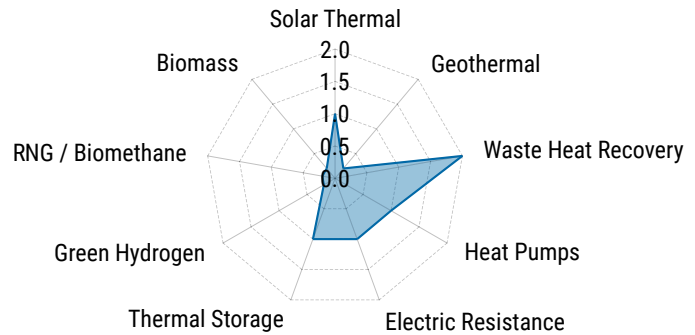
HEAT DELIVERY METHODS

Hot Air

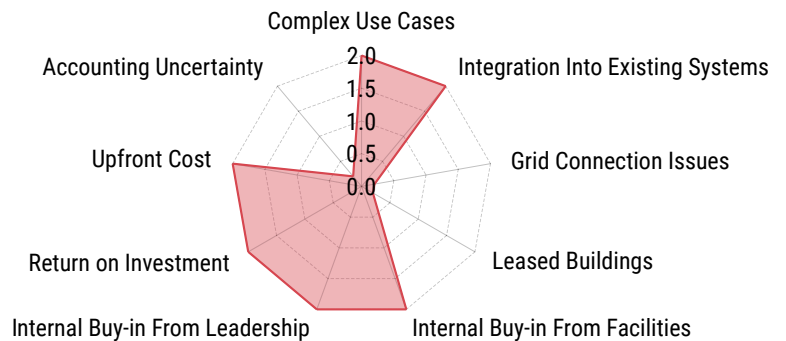
Hot Water

Steam

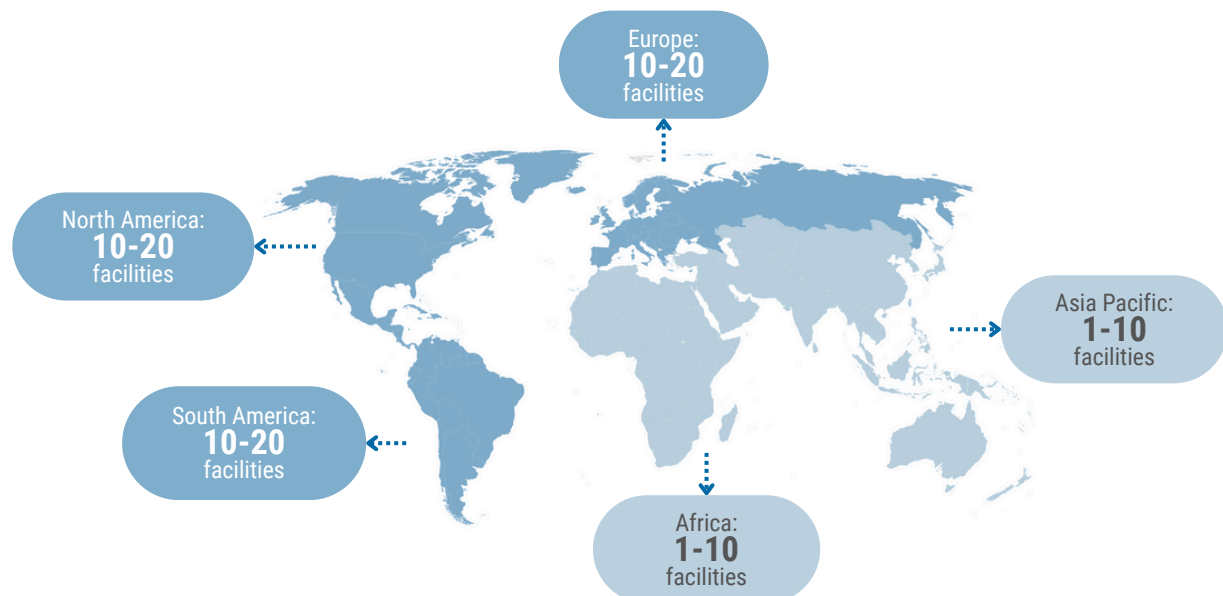
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



MARS
Tomorrow starts today

**STAV
CAPLAN**

Sustainability Engineer

Mars Wrigley

✉ stav.caplan@effem.com

TEMPERATURE DEMAND

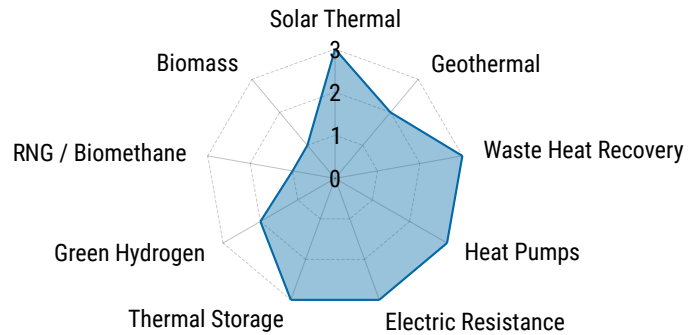
Low (<130°C)

HEAT DELIVERY METHODS

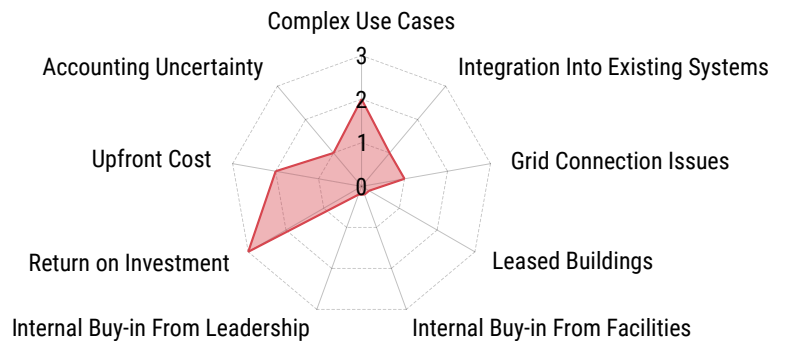
Hot Water

Steam

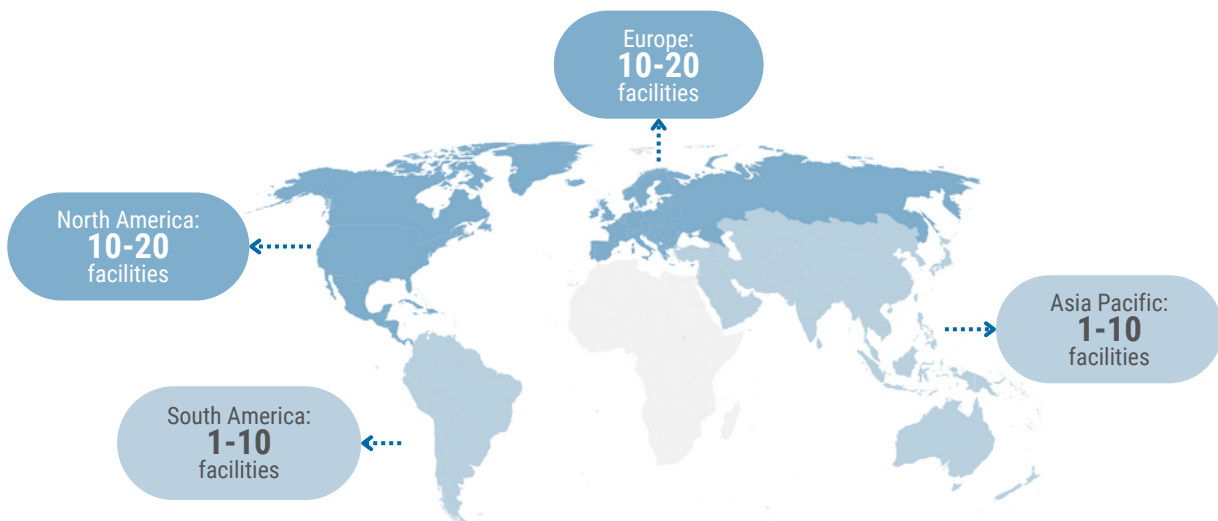
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



MARS

Tomorrow starts today

**WINSTON
CHEN**

Global Renewable Program
Manager

Mars Wrigley

✉ winston.chen@effem.com

TEMPERATURE DEMAND

Low (<130°C)

Medium (130-500°C)

HEAT DELIVERY METHODS

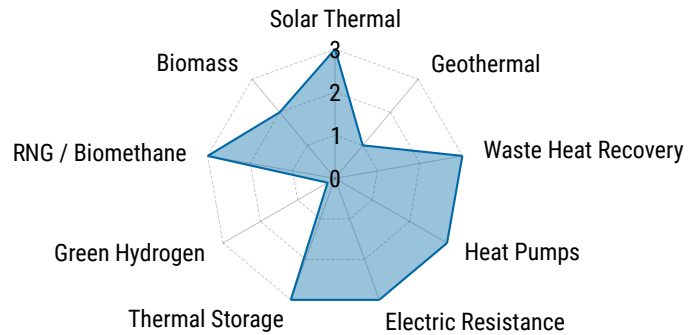
Direct Firing

Hot Air

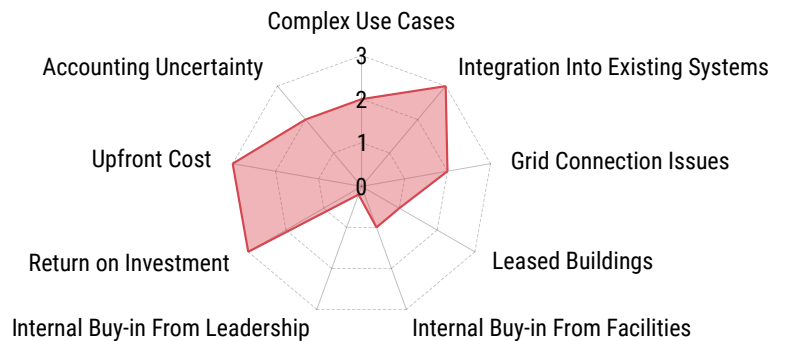
Hot Water

Steam

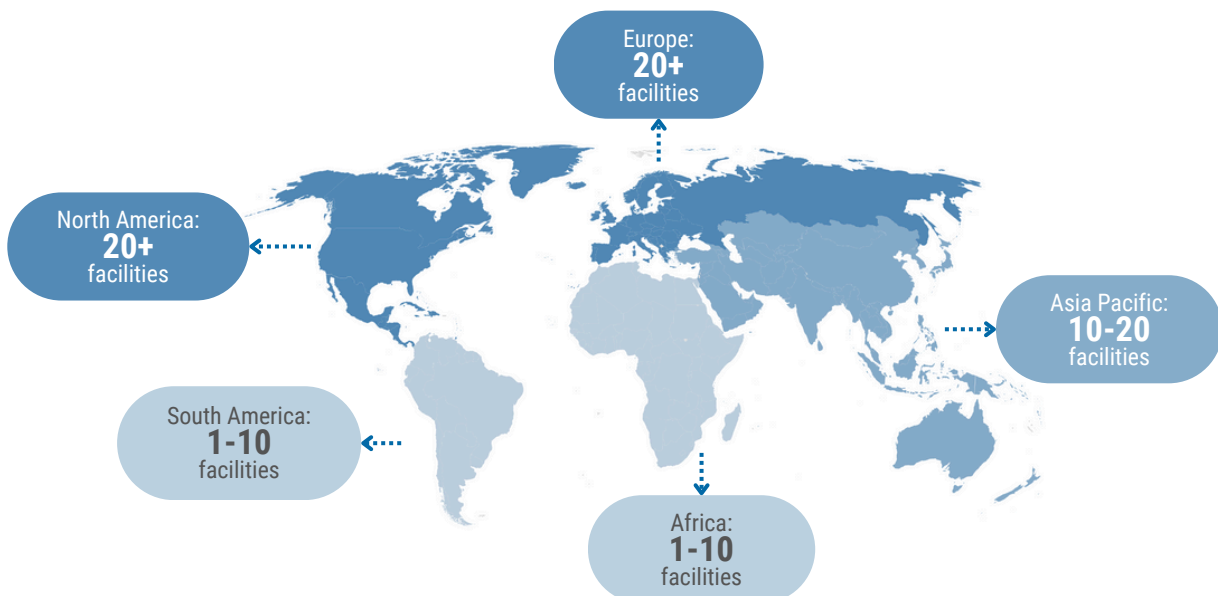
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT





IBRAHIM CISSE

Senior Sustainability Engineer

ASR Group

✉ ibrahim.cisse@asr-group.com

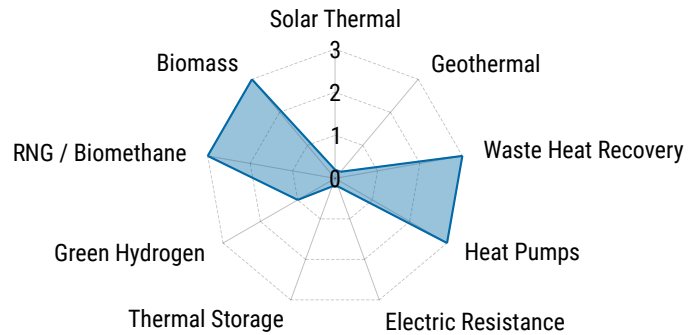
TEMPERATURE DEMAND

Medium (130-500°C)

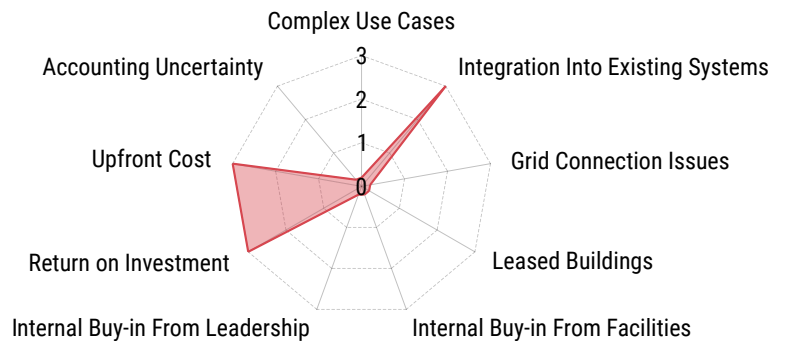
HEAT DELIVERY METHODS

Steam

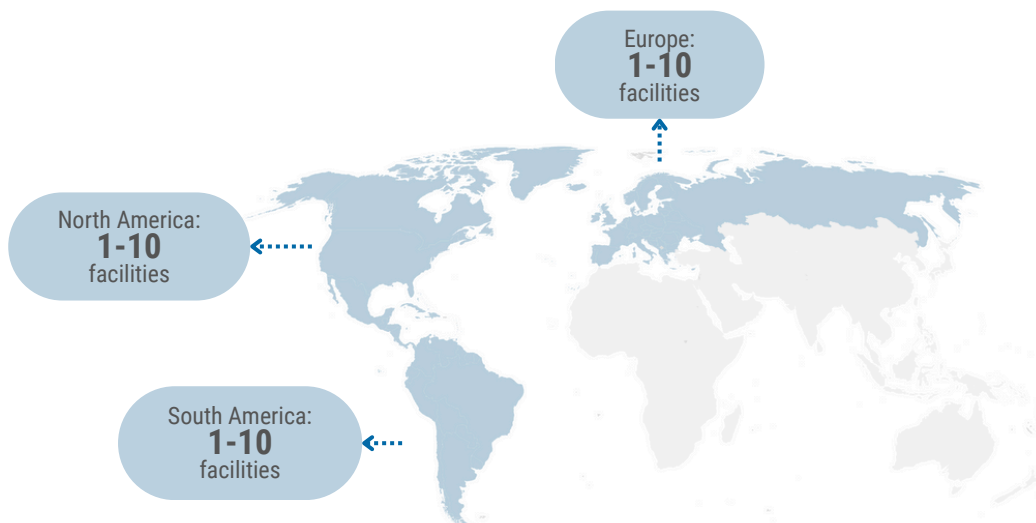
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



DO NOT SHARE: Information intended for survey respondents only.



ANDREW COCKAYNE

Global Steam and Power
Generation Lead

Cargill PLC

✉ andrew_cockayne@cargill.com

TEMPERATURE DEMAND

Low (<130°C)

Medium (130-500°C)

High (500-1000°C)

Ultra-High (1000+°C)

HEAT DELIVERY METHODS

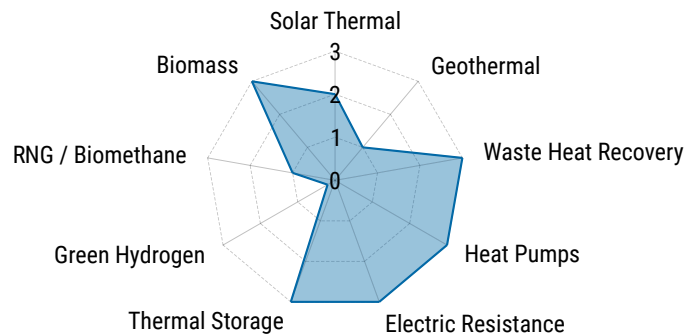
Direct Firing

Hot Air

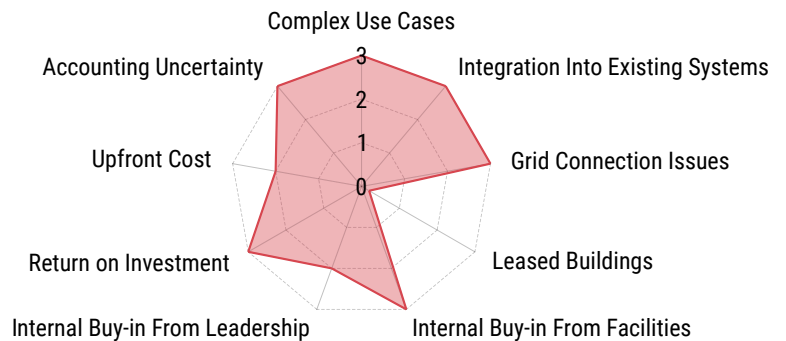
Hot Water

Steam

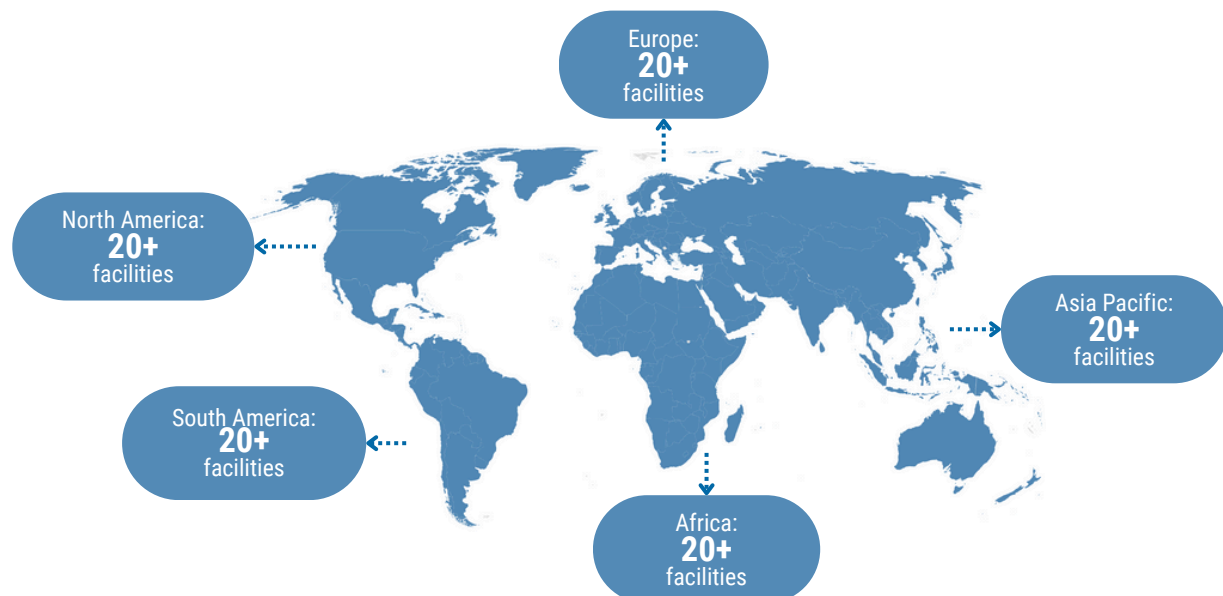
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



DO NOT SHARE: Information intended for survey respondents only.



**JOHN
DAVIES**

EMEA Sustainability Director

International Paper / DS Smith

✉ john.davies@dssmith.com

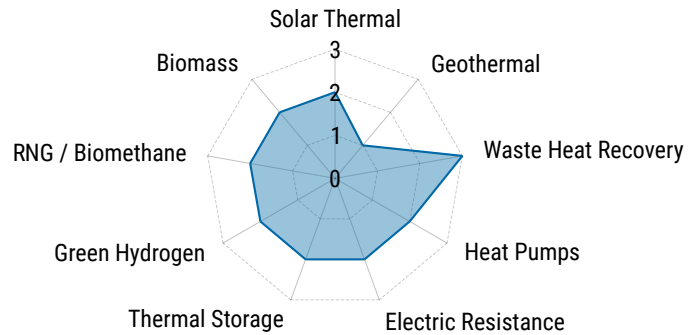
TEMPERATURE DEMAND

Medium (130-500°C)

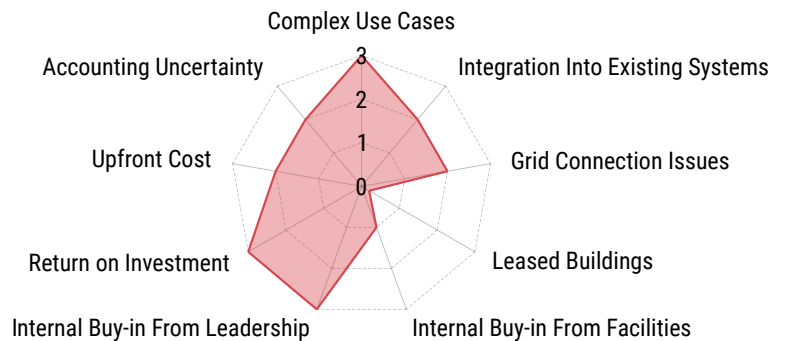
HEAT DELIVERY METHODS

Steam

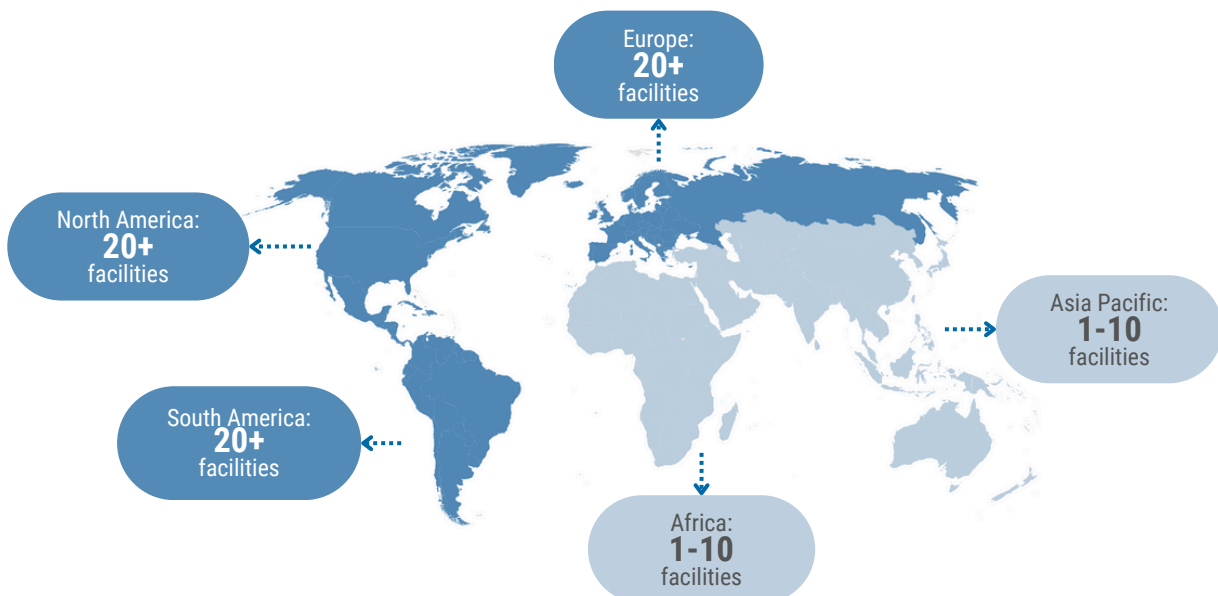
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



Givaudan

JEREMY DE LAAT

Global Environmental
Sustainability Manager Operations

Givaudan

✉ jeremy.de_laate@givaudan.com

TEMPERATURE DEMAND

Low (<130°C)

Medium (130-500°C)

HEAT DELIVERY METHODS

Direct Firing

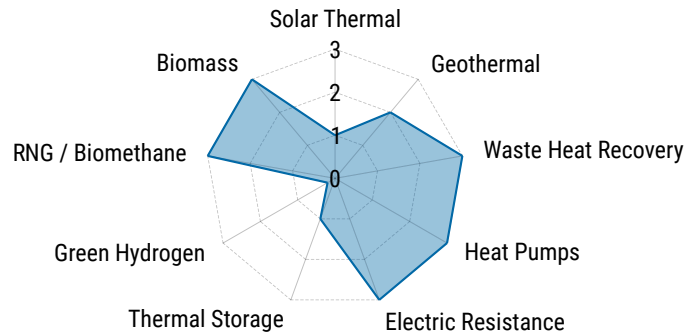
Hot Air

Hot Water

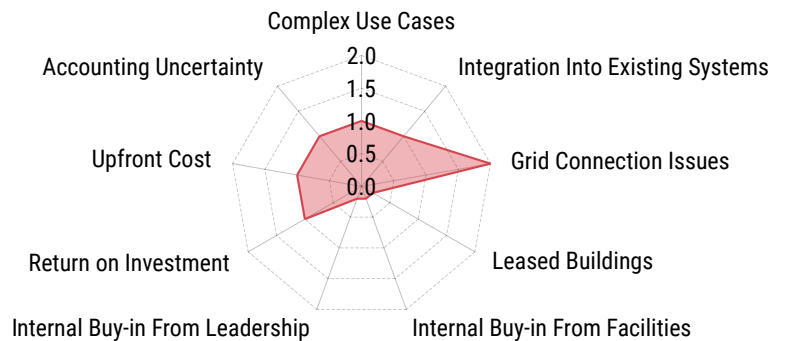
Steam

Thermal Oil

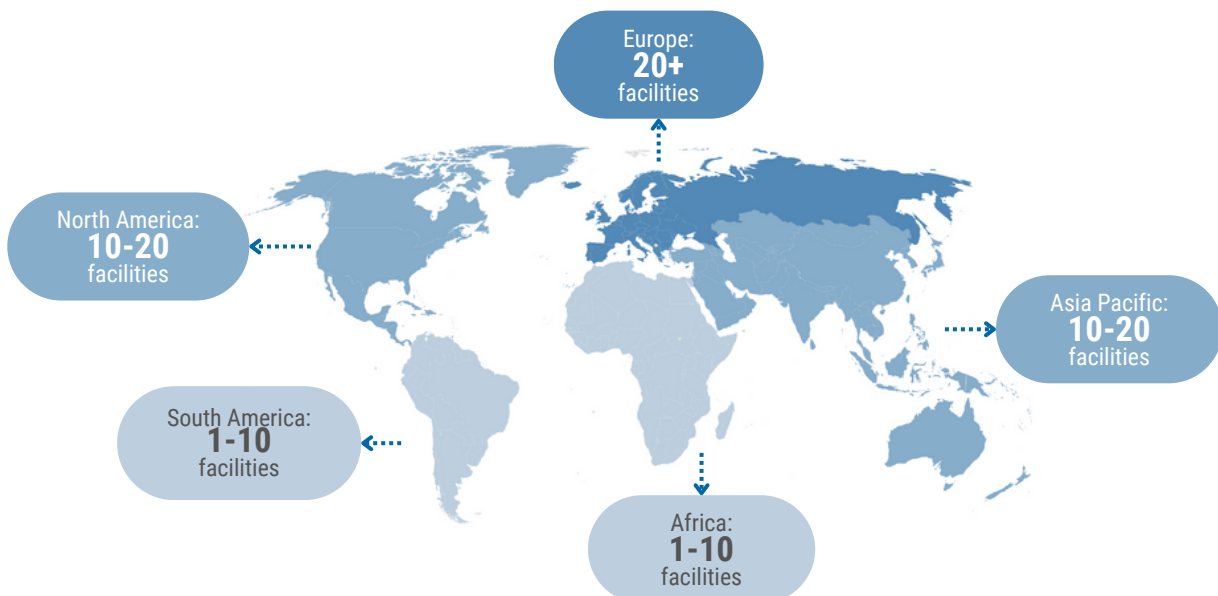
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT





ALBERTO GIRON

Senior Sustainability Manger

Niagara Bottling LLC

✉ cgiron@niagarawater.com

TEMPERATURE DEMAND

Low (<130°C)

Medium (130-500°C)

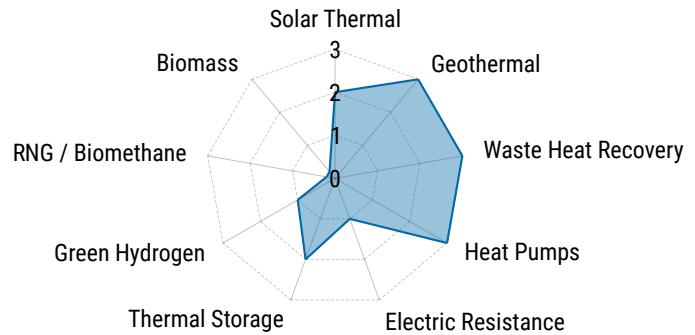
HEAT DELIVERY METHODS

Direct Firing

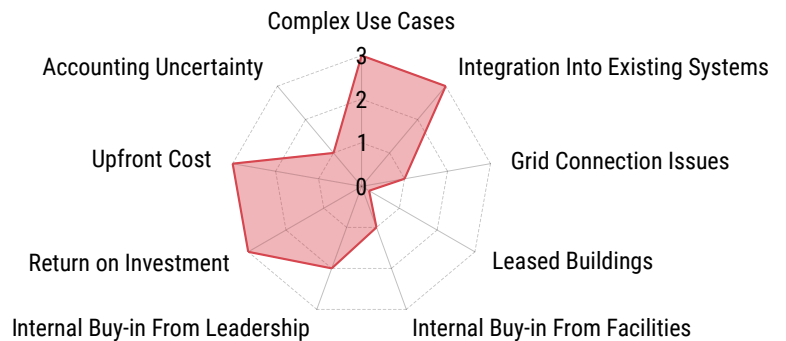
Hot Water

Steam

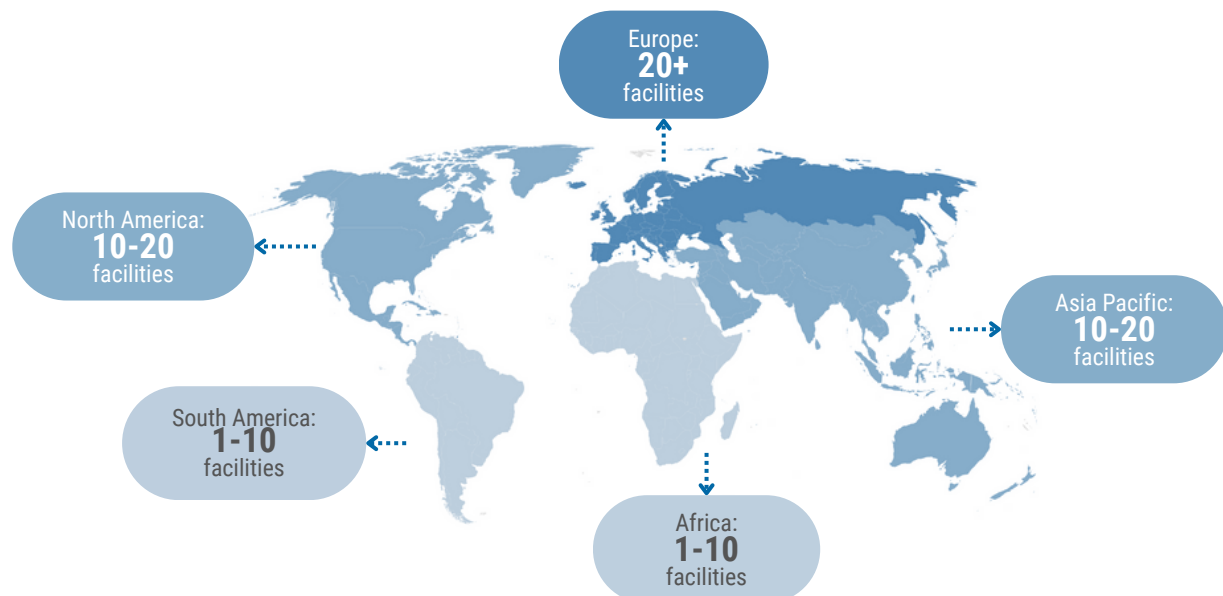
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



DO NOT SHARE: Information intended for buyers only.



**UMESH
GOSWAMI**

Sustainable Operations Enabler

Roche

✉ umesh_c.goswami@roche.com

TEMPERATURE DEMAND

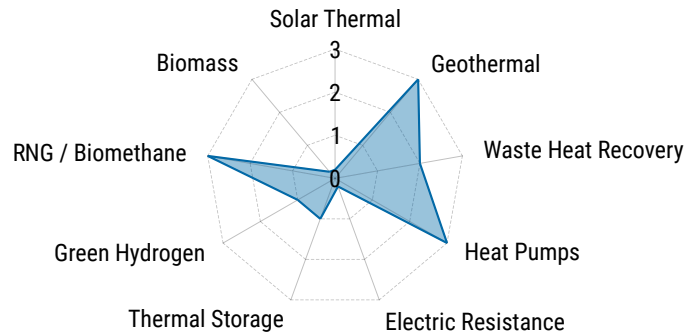
Low (<130°C)

HEAT DELIVERY METHODS

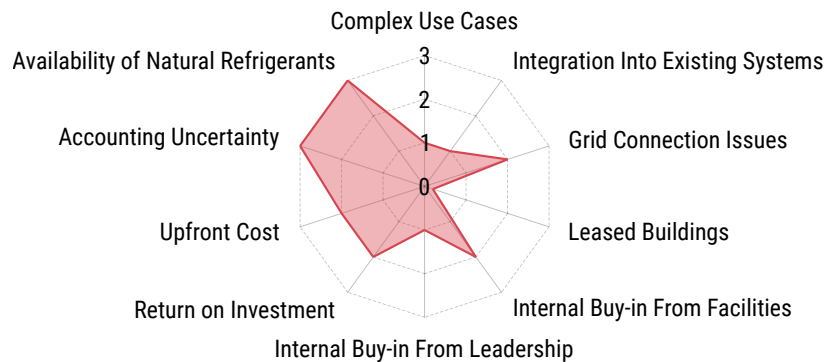
Hot Water

Steam

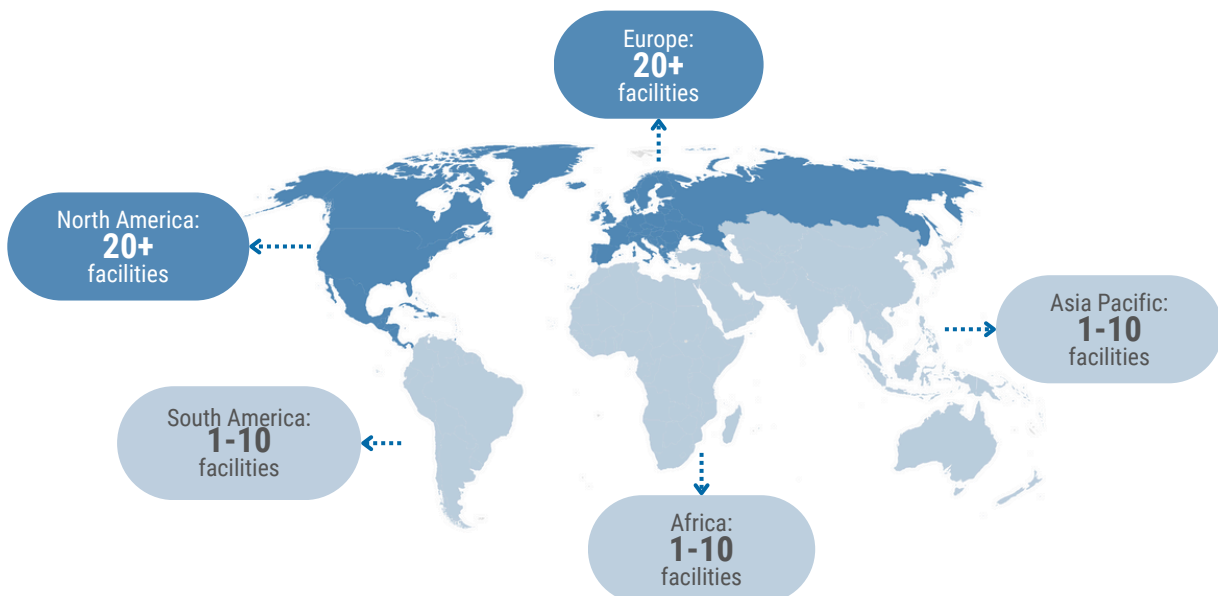
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT





**ALEX
HILD**

Associate Director, Sustainability
Enablement

Bristol Myers Squibb

✉ alexander.hild@bms.com

TEMPERATURE DEMAND

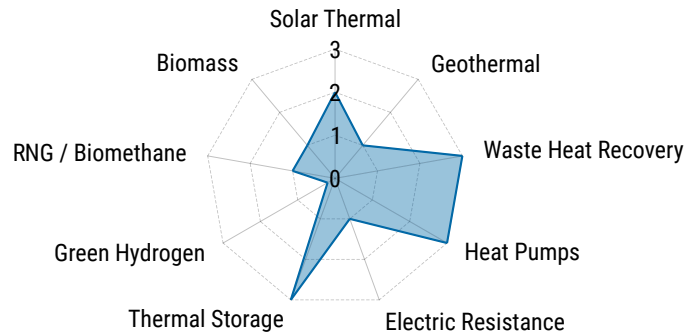
Low (<130°C)

HEAT DELIVERY METHODS

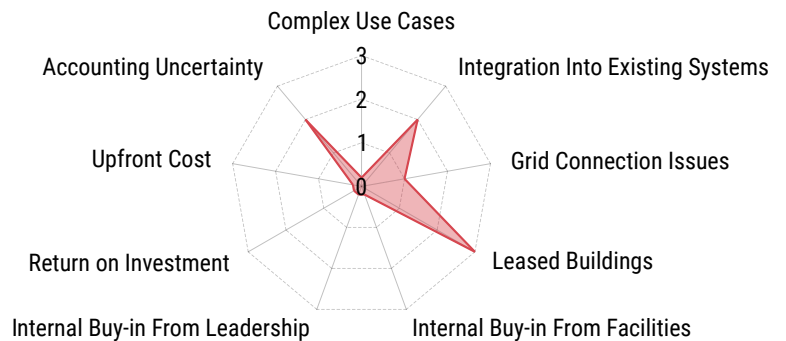
Hot Water

Steam

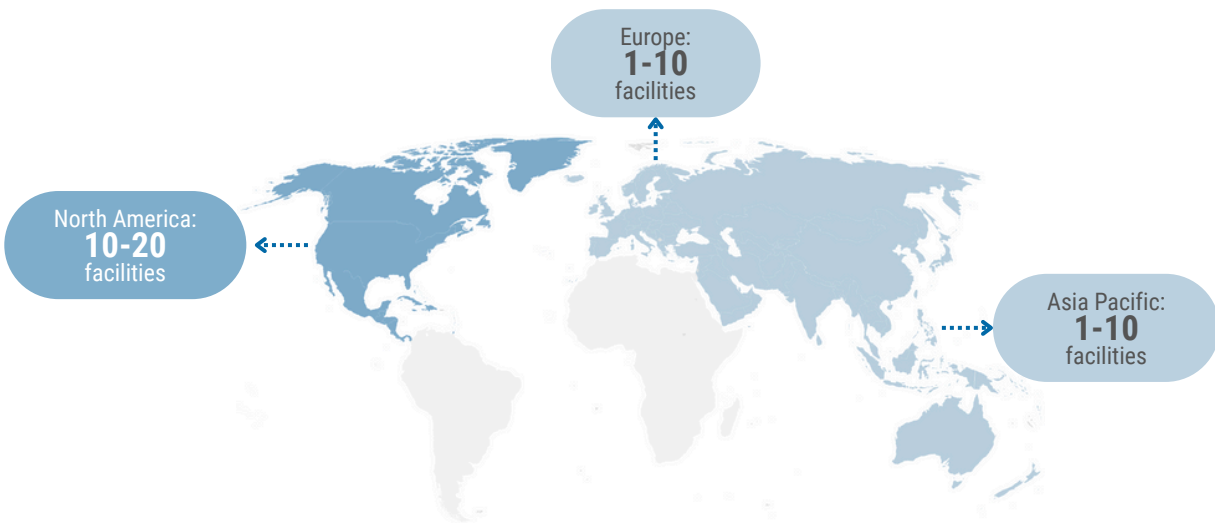
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



DO NOT SHARE: Information intended for survey respondents only.



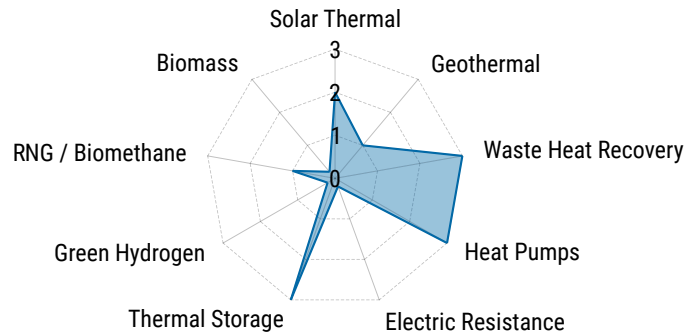
**DIANE
MOTEL**

CSR Manager

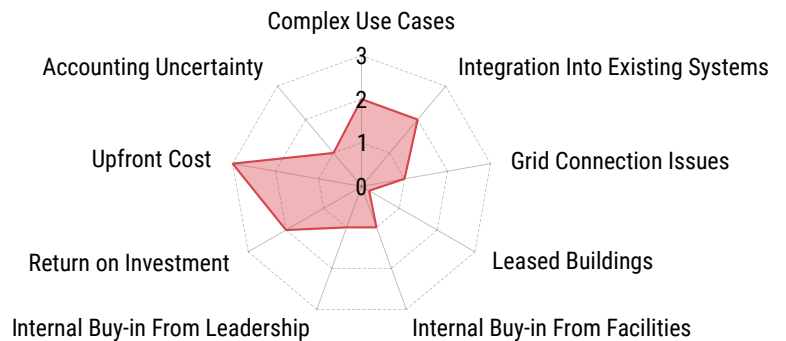
Savencia Cheese USA

✉ diane.motel@savencia.com

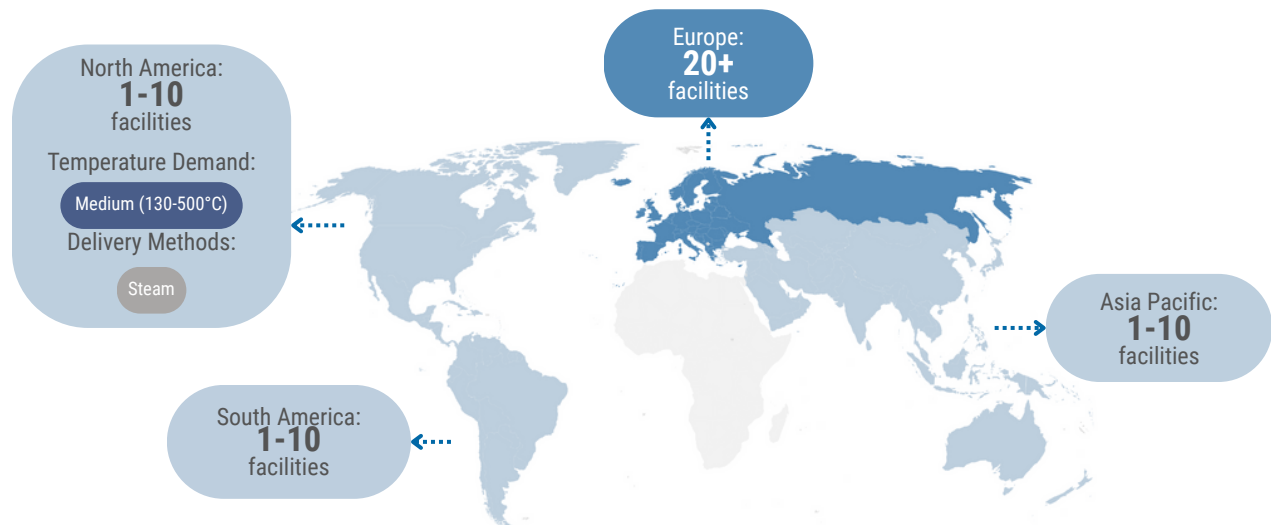
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT





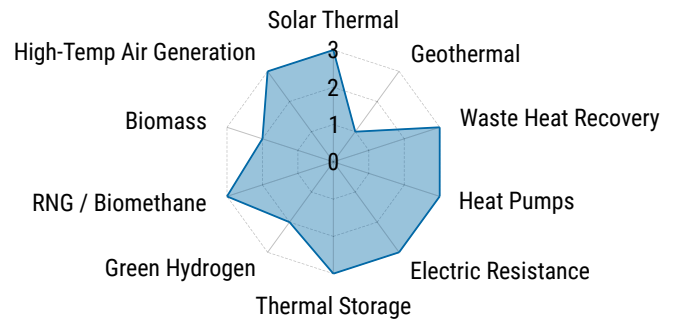
VIVEK NESARIKAR

Director - Group Engineering
Center

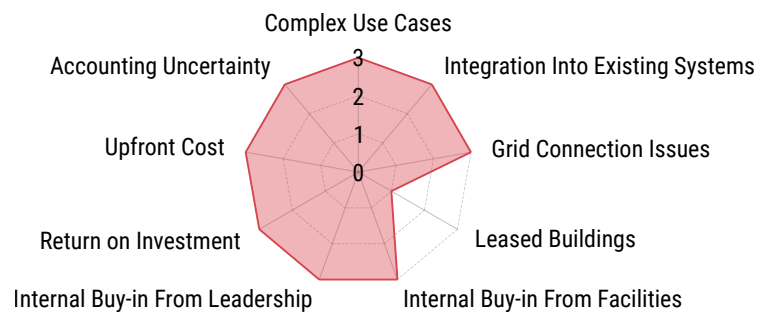
Unilever

✉ vivek.nesarikar@unilever.com

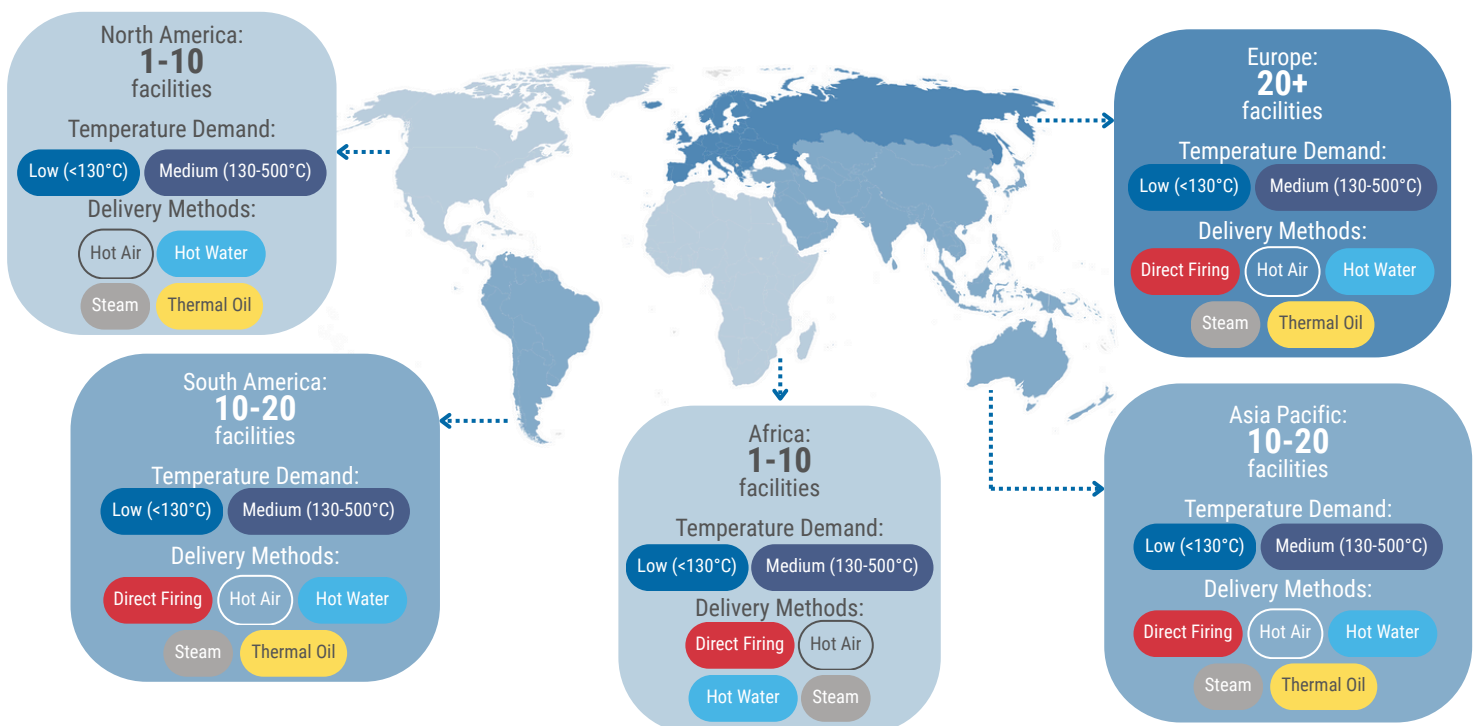
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



DO NOT SHARE: Information intended for survey respondents only.



**LEWIS
RAE**

Scope 1 & 2 Decarbonisation
Programme Lead

Unilever

✉ lewis.rae@unilever.com

TEMPERATURE DEMAND

Low (<130°C)

Medium (130-500°C)

HEAT DELIVERY METHODS

Direct Firing

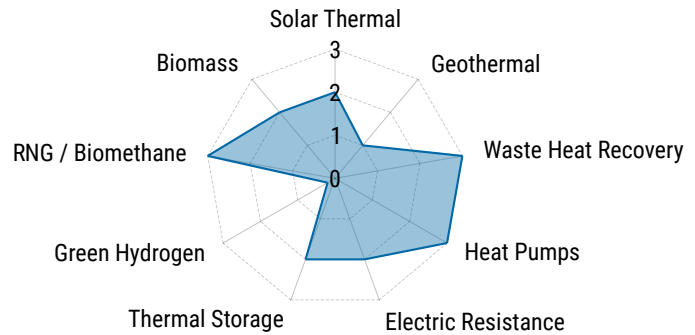
Hot Air

Hot Water

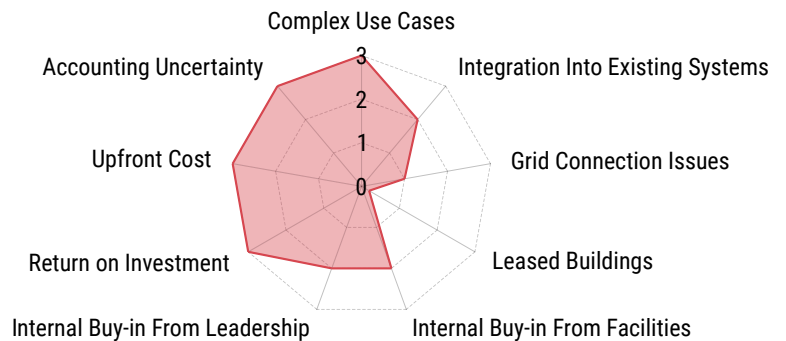
Steam

Thermal Oil

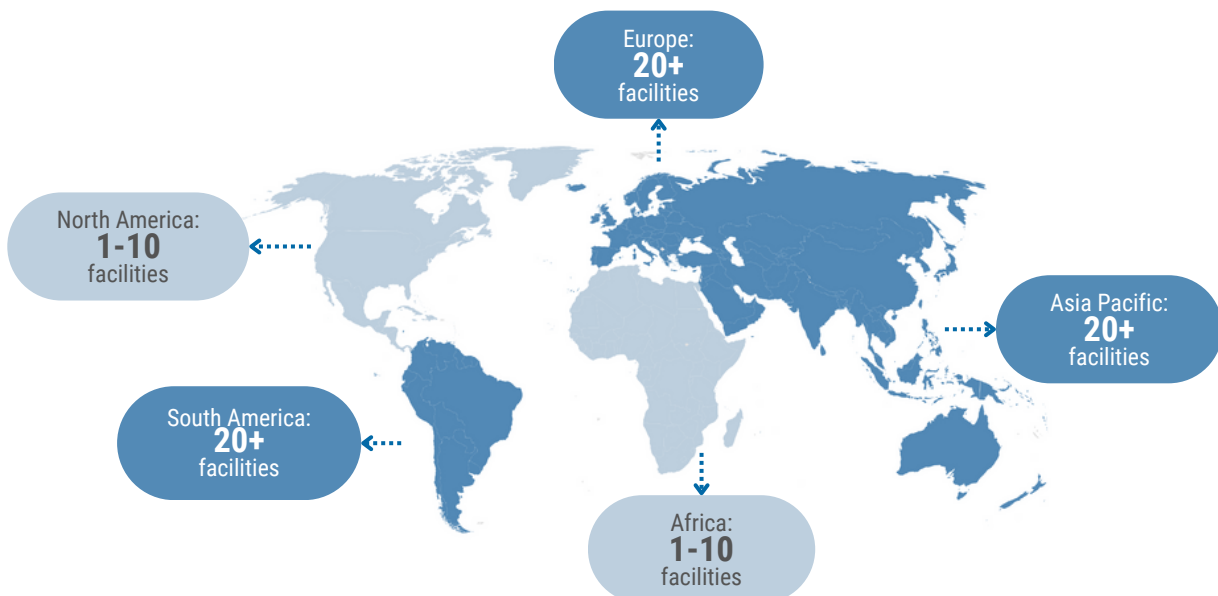
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT





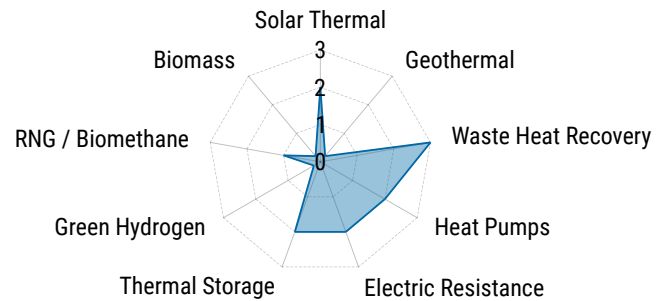
GURPREET SINGH

Director Global Utilities,
Sustainability and Innovation

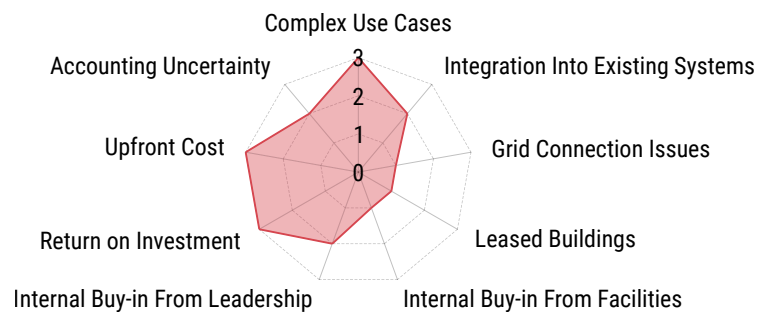
Colgate-Palmolive

✉ gurpreet_singh@colpal.com

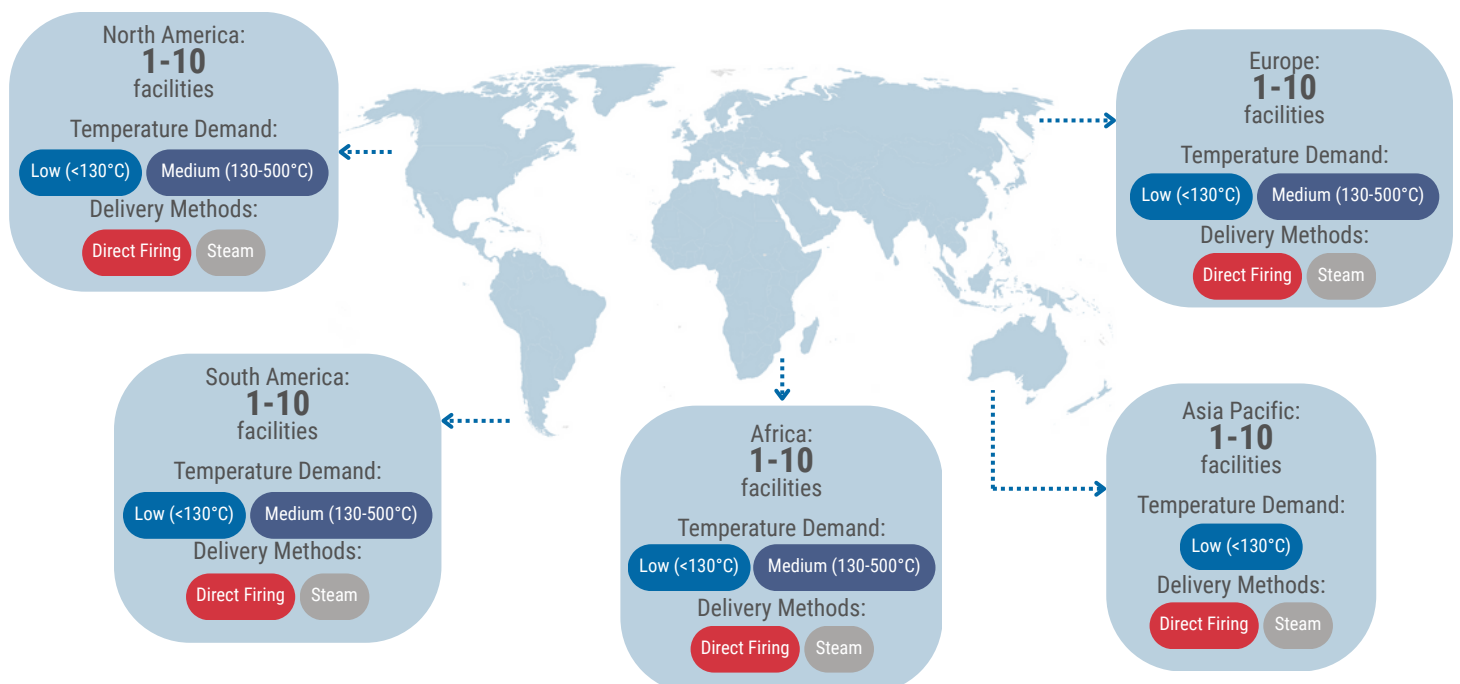
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT





STEVE SKARDA

Climate & Water Technical
Innovation Senior Director

Procter & Gamble

✉ skarda.s@pg.com

TEMPERATURE DEMAND

Low (<130°C)

Medium (130-500°C)

HEAT DELIVERY METHODS

Hot Air

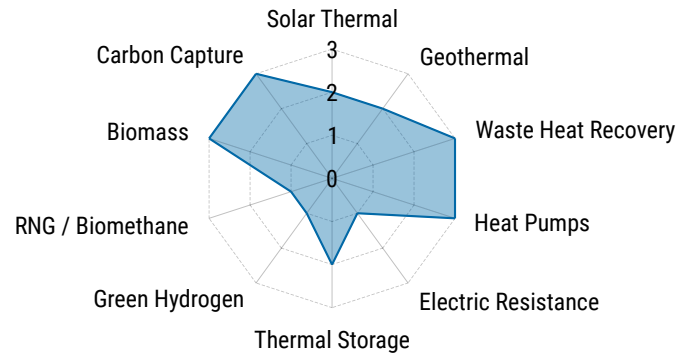
Hot Water

Steam

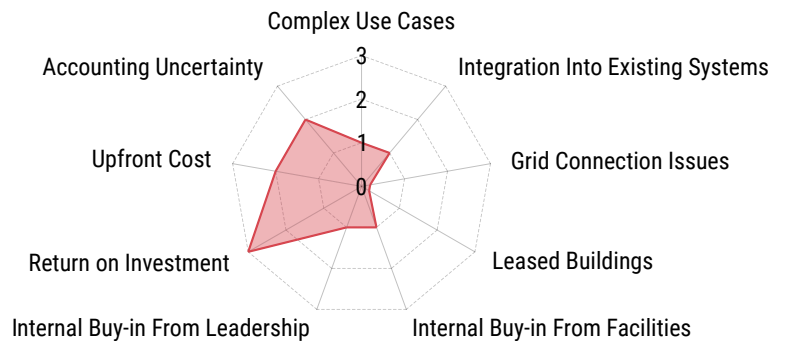
Thermal Oil

CHP

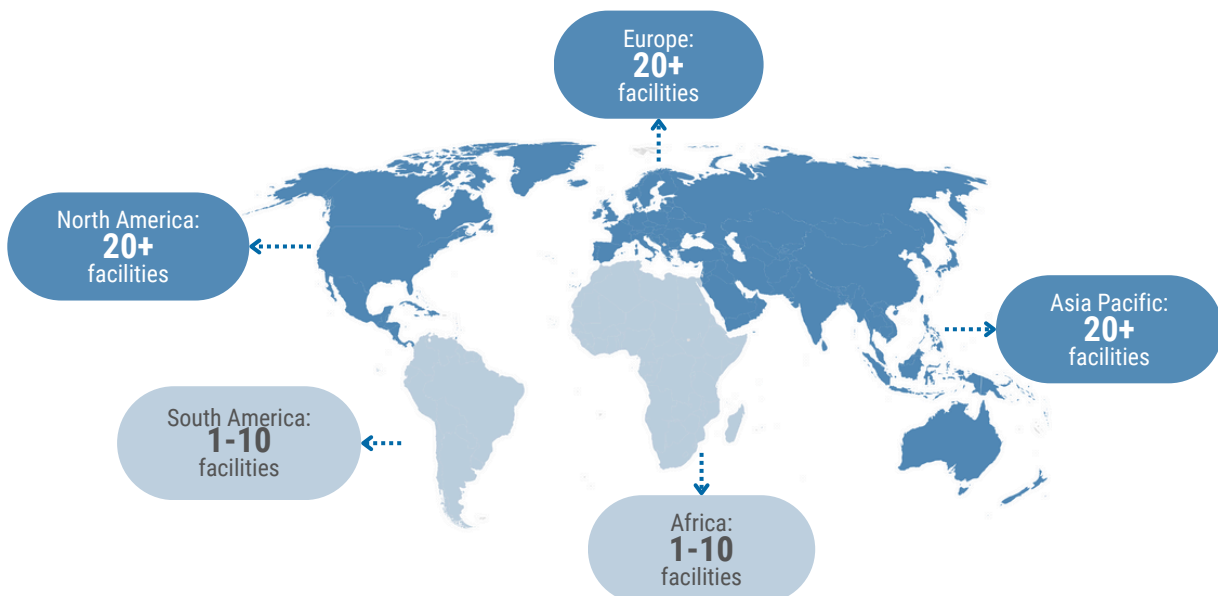
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



Ball

**JULIAN
STOCK**

Sr Innovation Engineer

Ball Corporation

✉ jstock@ball.com

TEMPERATURE DEMAND

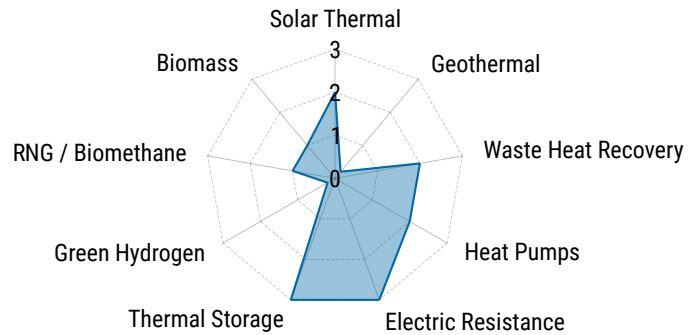
Medium (130-500°C)

HEAT DELIVERY METHODS

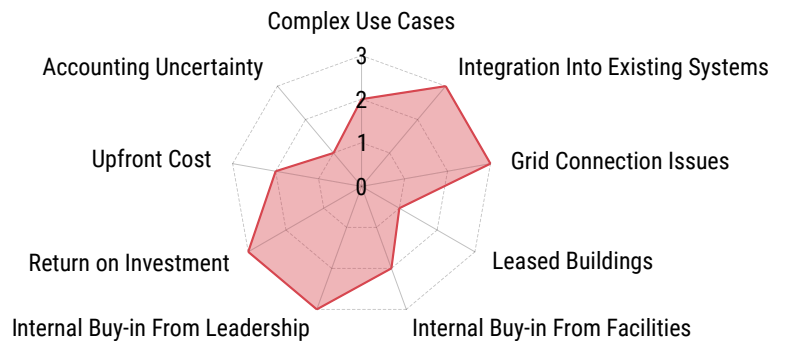
Hot Air

Hot Water

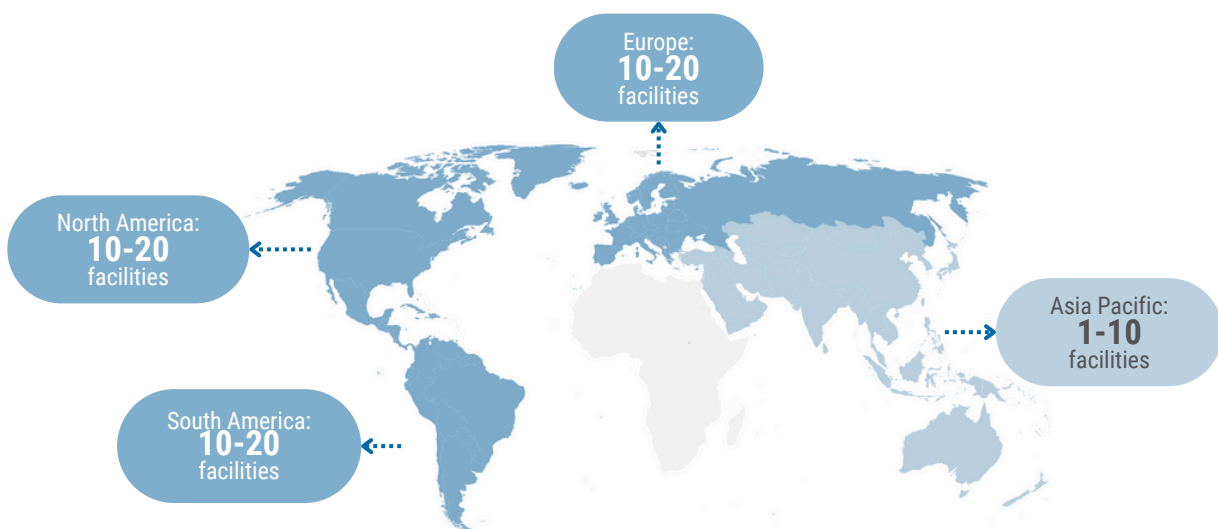
INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT



DO NOT SHARE: Information intended for buyers only.



BLAIR STURM

Sr. Manager, Process
Sustainability & Energy

Saint-Gobain NA

✉ blair.sturm@saint-gobain.com

TEMPERATURE DEMAND

Low (<130°C)

Medium (130-500°C)

High (500-1000°C)

HEAT DELIVERY METHODS

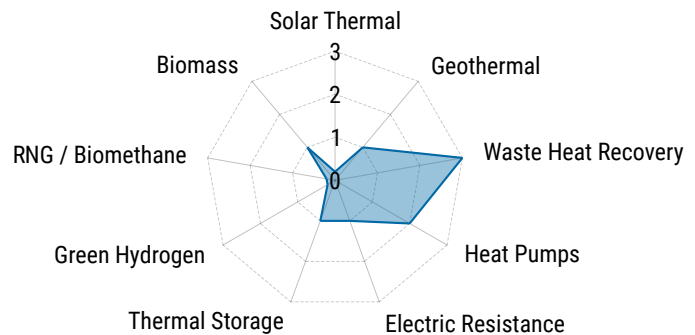
Direct Firing

Hot Water

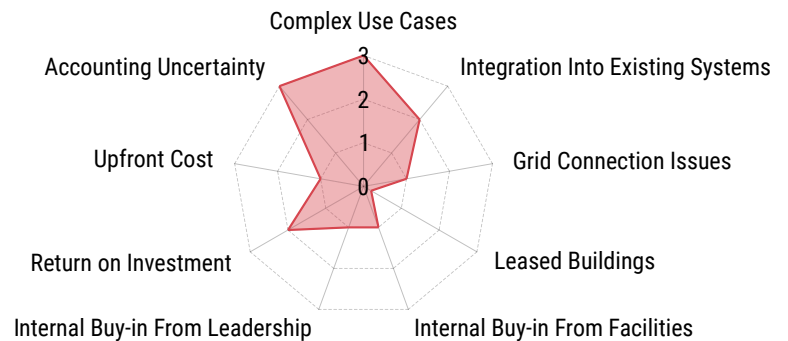
Steam

Thermal Oil

INTEREST IN TECHNOLOGIES



GREATEST CHALLENGES



FACILITIES FOOTPRINT

