



OCP-Japan Lightning Talk

~液冷エコシステム国際標準化におけるbp
の役割とパートナーシップ~

Shu Matsumae

Technology Manager
Thermal management and Data Centre
bp Japan K.K.
Castrol Industrial lubricants



Company introduction





Castrol helps accelerate our customers' progress moving them forward from the ocean floor to the surface of Mars.



bp Castrol are OCP Project Leaders

Cooling Environments, Sustainability and Women OCP



Project	Project Leaders
Cooling Environments	Cosimo Pecholli (BP Castrol) John Fernandes (Meta) Sean Silvapalan (Nvidia)
Sustainability	Alex Rakow (Schnieder Electric) Sung A Kim (BP Castrol)

The logo for Women in OCP, featuring a green tiger head surrounded by a circular arrangement of green arrows pointing outwards.

Women in OCP

Project Leads
Sung A Kim, Shruti Sethi

A black and white portrait of Cosimo Pecchioli, a man with a beard and balding head, wearing a suit and tie.

Cosimo Pecchioli
IT Hardware & OEM Partnership Director, BP

Cosimo Pecchioli has been the IT Hardware & OEM Partnership Director at BO siince 2023. Previously, Cosimo was part of Alfa Laval since 2003, covering different roles in Europe and US.

Originally from Italy, Cosimo has been living in California for 15+ year. He holds a Master Degree in Science & Technology. A member of the OCP for 2 years, since Jan 2022, he has been co-chairing the heat reuse incubation group

A portrait of Sung A Kim, a woman with long dark hair, wearing a dark blazer over a light-colored shirt.

A portrait of Shruti Sethi, a woman with long dark hair, wearing a yellow top.

Sung A Kim
Castrol Lmtd (BP)

Shruti Sethi
Microsoft



Our Global Footprint

PANGBOURNE, UK

HAMBURG, GERMANY

WAYNE, USA

SHANGHAI, CHINA

Key

- Technology centre
- Stock point location

Castrol Technology Headquarters Features

- Liquid cooling centre of excellence
- Testing facility for liquid cooling systems
- Seven (7) distinct testing rooms
- Modular (Container) Data Centre solution
- Immersion tank supplied by Submer, GRC, Airsys, Iceotope etc.

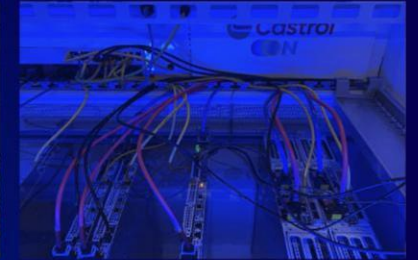
Infrastructure



Individual test cells for confidential testing

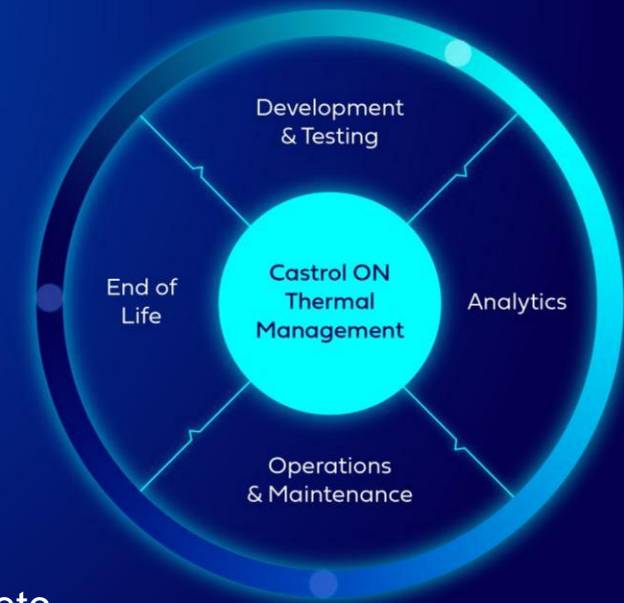


Modular data centre technology



Cooling systems & equipment from multiple vendors

A complete technical services offering



再エネへの投資、データセンターへの電力供給



bp joint-venture with Japan's largest power company JERA

US\$5.8 billion investment in Offshore Wind Power and Liquid Cooling Data Centers (13 GW)

Jera 会社情報 ▾ サステナビリティ ▾ IR情報 ▾ ニュース ▾ 採用情報 ▾ お問い合わせ ▾ Jera's ACTION ▾ | サイト内を検索する 🔍 EN 🌐

TOP / ニュース / プレスリリース / 2024 / bpとの洋上風力事業合弁会社JERA Nex bp設立に関する基本合意について - 世界最大級の洋上風力発電事業会社を立ち上げ

プレスリリース

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お知らせ

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bpとの洋上風力事業合弁会社JERA Nex bp設立に関する基本合意について

2024/12/09

株式会社JERAは、本日、
(以下「JERA Nex」) および
0:50) による合弁会社「JEF
ドン」は、洋上風力事業を開
JERA Nex bpの設立は、開
に完了する予定です。

Lightsource bp

日本市場に参入 - 初の再生可能エネルギープロジェクトを開始



Lightsource bp enters Japan market with first renewable energy project



ライトソースbpは、北海道で15MWpの太陽光プロジェクトを取得し、日本市場への参入を発表しました。

これにより、同社の事業展開市場は19から20に拡大し、再生可能エネルギー分野での地位が強化されました。

ライトソースbpは、世界中で58GWを超える太陽光発電開発パイプラインを持ち、そのうち約8GWはアジア太平洋地域にあります

Let's reimagine data centre cooling

Castrol's global reach, strategic partnerships and technical expertise can help solve your biggest data centre cooling challenges.



Co-engineering a better future together

We can't do this alone, and we depend on our strong strategic partnerships to develop and deliver improved solutions. This includes academic partnerships with organisations such as universities, and industrial partnerships with companies such as system manufacturers.

Our partnerships give us access to laboratories and immersion cooling centres, where we can test servers and hardware with our fluids and develop capabilities and solutions.

RI
SE

DELL Technologies

OPEN
Compute Project®

SUPERMICR

GRC

Hypertec

submer

GIGA
COMPUTING

ICEOTOPE
TECHNOLOGICAL SOLUTIONS

COMPAL Server

Kentec
SOLUTIONS

PEGATRON

Castrol
ON

The Future of Liquid is Cooling

Future Roadmap



Expanded product lines

PG for direct liquid cooling
DC for immersion cooling

Complete solution approach

Liquid cooling-ready racks
and cooling distribution units

Innovative service model

Dedicated to liquid cooling
data centre applications

問い合わせ先

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