2025 update on OCA and OCPP

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OCA Director

The Open Charge Alliance (OCA) is the industry alliance governing OCPP

- OCA's goal is to help the EV charging industry accelerate
- A nonprofit foundation, founded in 2014 under Dutch law
- OCA develops OCPP, promotes OCPP and develops compliance testing and certification
- OCPP is freely available, open, patent and royalty free with no cost or licensing barriers
- OCPP is a trademark and is protected by copyright license

OCPP is developed following the need of the growing industry and incorporating field experience

Start of OCPP

OCPP1.6

Covers amongst others:

Authorization
Transactions
Smart Charging
Reservations
Security

OCPP2.0.1

(IEC 63584)

Improved functionality

Additional support for:
Device Management
User Interface
ISO 15118-2

OCPP2.1

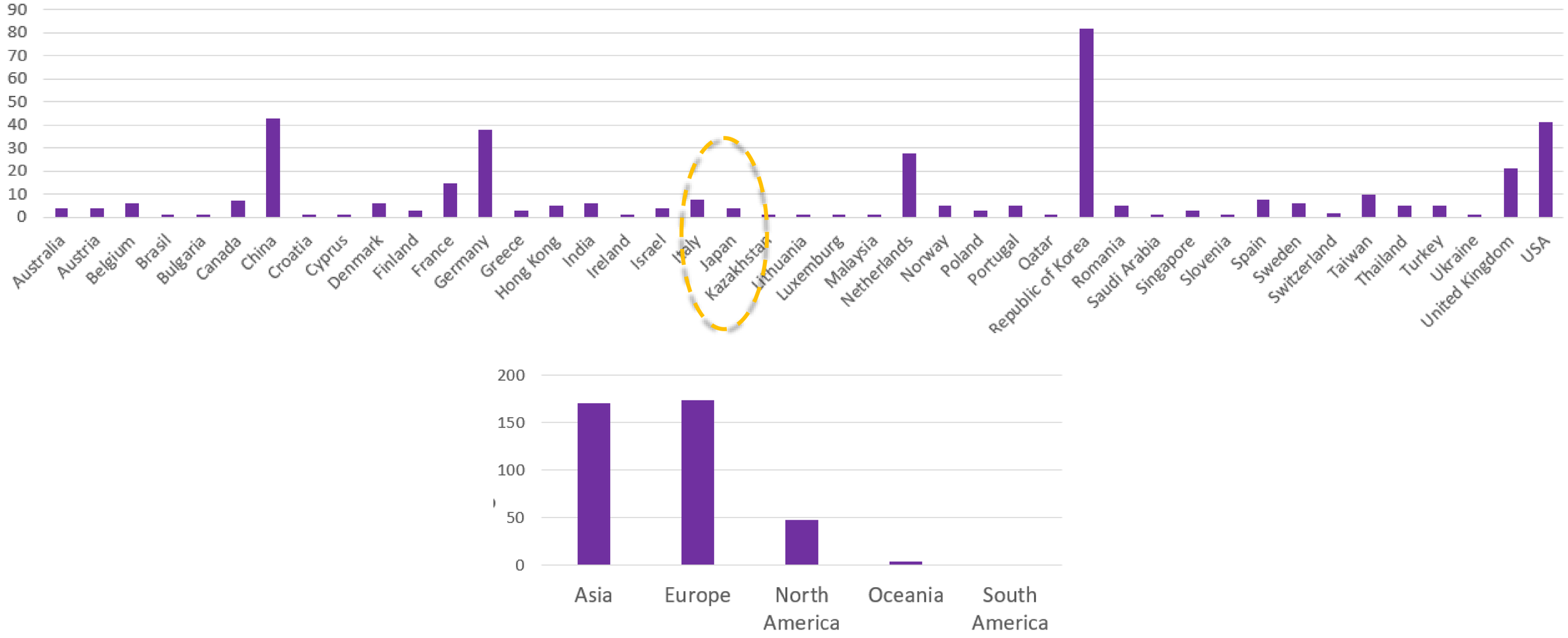
(IEC 63584)

Improved functionality

Additional support for:
Bidirectional charging
DER controls
Payment terminals, QR codes
Smart Charging using an EMS
Battery Swapping
ISO 15118-20

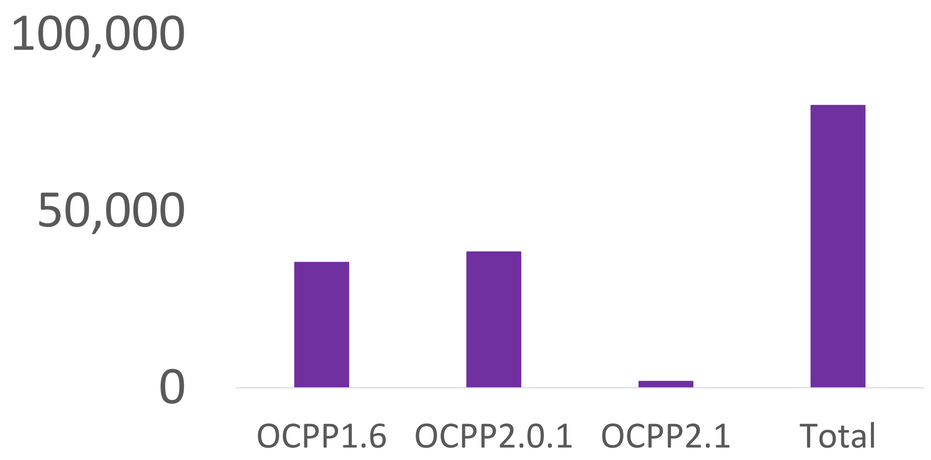
- OCPP2.0.1 ed3 (2024) is published by IEC as IEC 63584:2024
- All future versions of OCPP will be offered to IEC for publication
  - IEC 63584-21 (OCPP2.1)
- OCA will continue to develop OCPP within its working groups, together with IEC Liaison experts
- Draft documentation will be shared with IEC Technical Committees for information and feedback

OCA currently has 403 participants, 4 from Japan

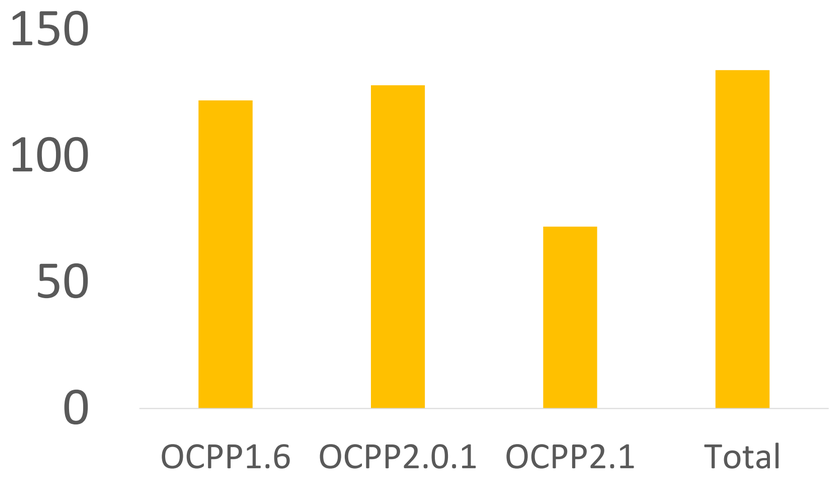


OCPP is used by members and non-members

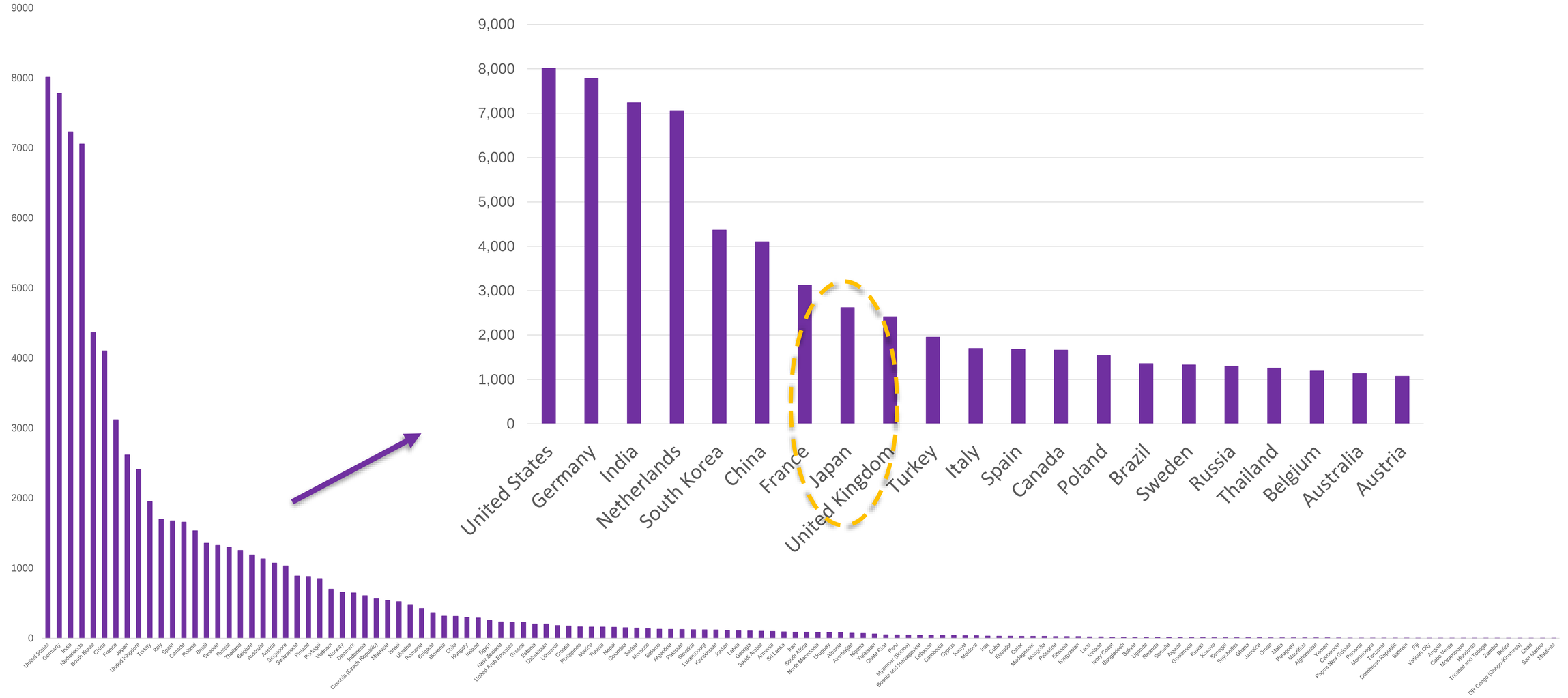
Downloads of OCPP Between January ‘24 and February ‘25



Countries that download OCPP Between January ‘24 and February ‘25



OCPP downloads in Japan



What’s happening in 2025?

OCPP continues to develop in 2025 according to the industry's needs

OCPP Lite Task Group

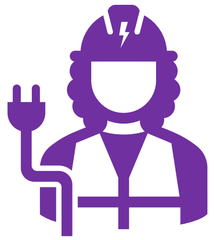
Special focus on OCPP for resource constrained devices

Networking / Local Controller Task Group

Define clear requirements for a Local Controller

Security Task Group

Revise and perhaps update the security specifications of OCPP



Commissioning Task Group

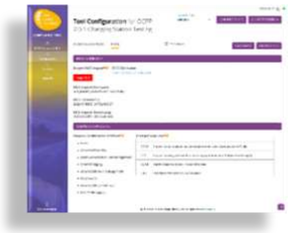
Explore if we can define a standard, easy, secure specification for the commissioning of charging stations

OCA will improve its services in 2025

All meetings at alternating time slots

Translations of the specification and Whitepapers

Faster responses to information requests and certification requests



Availability of OCPP2.1 beta test cases in OCTT

Q&A