



ST MatterConnect

Turnkey credential service
for Matter-ready devices

Matter credentials are essential

Every Matter device must carry a unique Device Attestation Certificate



Why?

Matter devices use a **unique identity** (DAC) to prove they are genuine when joining a network.

What smart home manufacturers must do

Generate, protect, and provision a unique DAC and private key for every device.

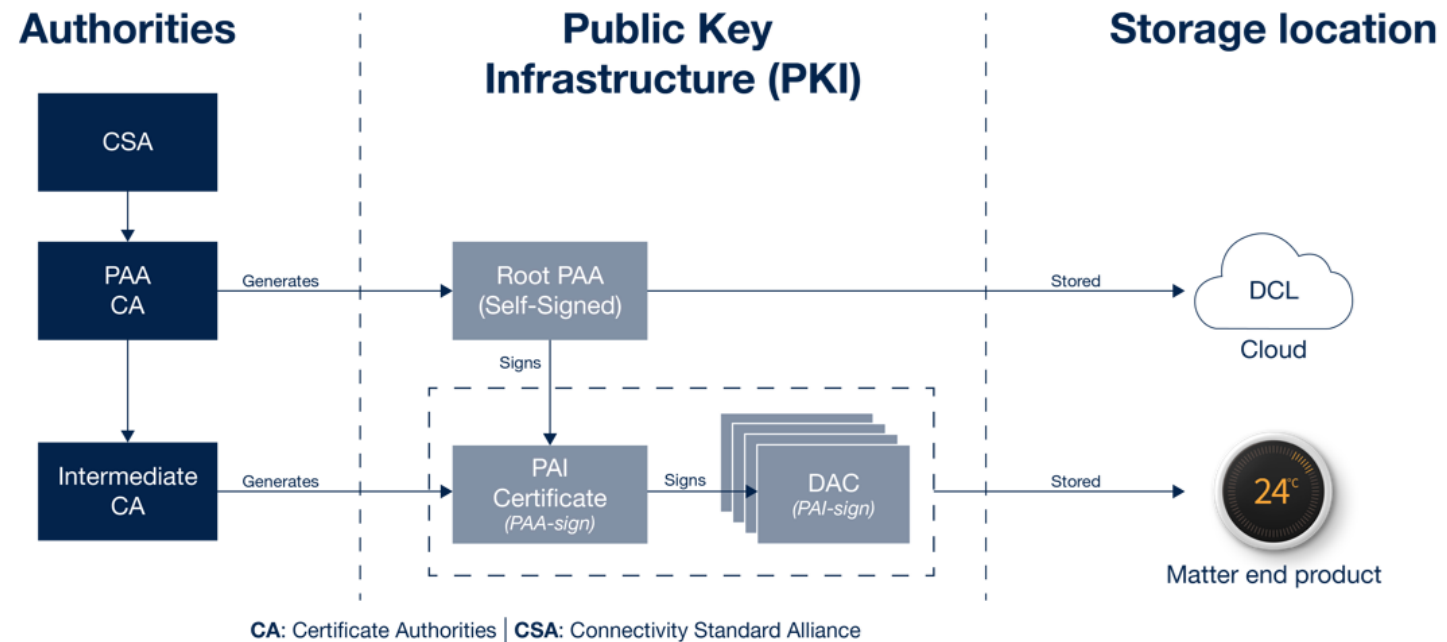


A secure and Matter-authorized infrastructure is required

A trusted certificate chain is required

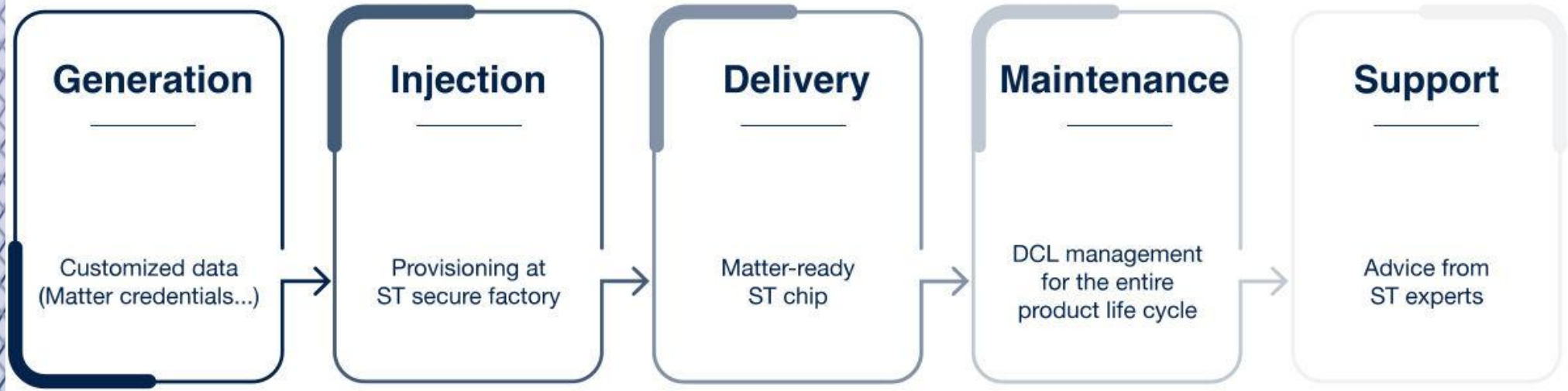
Every Matter device uses a unique DAC generated by an approved authority

- The Device Attestation Certificate (DAC) chains through a Product Attestation Intermediate (PAI) certificate to a Product Attestation Authority (PAA) root.
- Credentials must be generated and provisioned under controlled security processes.
- The Distributed Compliance Ledger (DCL) provides compliance and certification data for Matter devices used during commissioning.



Introducing ST MatterConnect

End-to-end credential service for Matter devices



- Matter credentials (DAC, private key, VID* and PID**) + optional customer data
- Integration with a trusted attestation certificate chain
- Secure provisioning at secure manufacturing sites

 ST is an approved Matter PAA authority

*VID = Vendor ID
**PID = Product ID



The complexity behind Matter credentials

Specification compliance

Define and protect a unique DAC and private key for every device.

Attestation PKI

Operate the DAC–PAI–PAA trust chain and its supporting security controls.

Multiple suppliers

Coordinate IC and certificate providers.

Secure provisioning

Generate and inject credentials in secure premises and costly HSM*.

Maintenance

Maintain DCL** for tracking device certification status and vendor's information.

* HSM = Hardware Security Module

** DCL = Distributed Compliance Ledger



What ST MatterConnect provides

One service path: from credential definition to provisioned secure chips

Fast track compliance



Reduce effort to comply with Matter device attestation requirements

Turnkey PKI service



Get personalized products & certificates with up to 30 customizable datapoints

Single source



One-stop-shop for ICs & certificates
Reduce operational cost & complexity

Authorized Matter infrastructure



Provisioning at ST secure factory

Certificate lifecycle management



Certificate status registration & maintenance in distributed compliance ledger

Why customers can trust ST MatterConnect



30+ years of security expertise across products, credentials and provisioning.



A coordinated service path from credential generation through delivery.



Matter-authorized infrastructure for multiple vendor IDs.



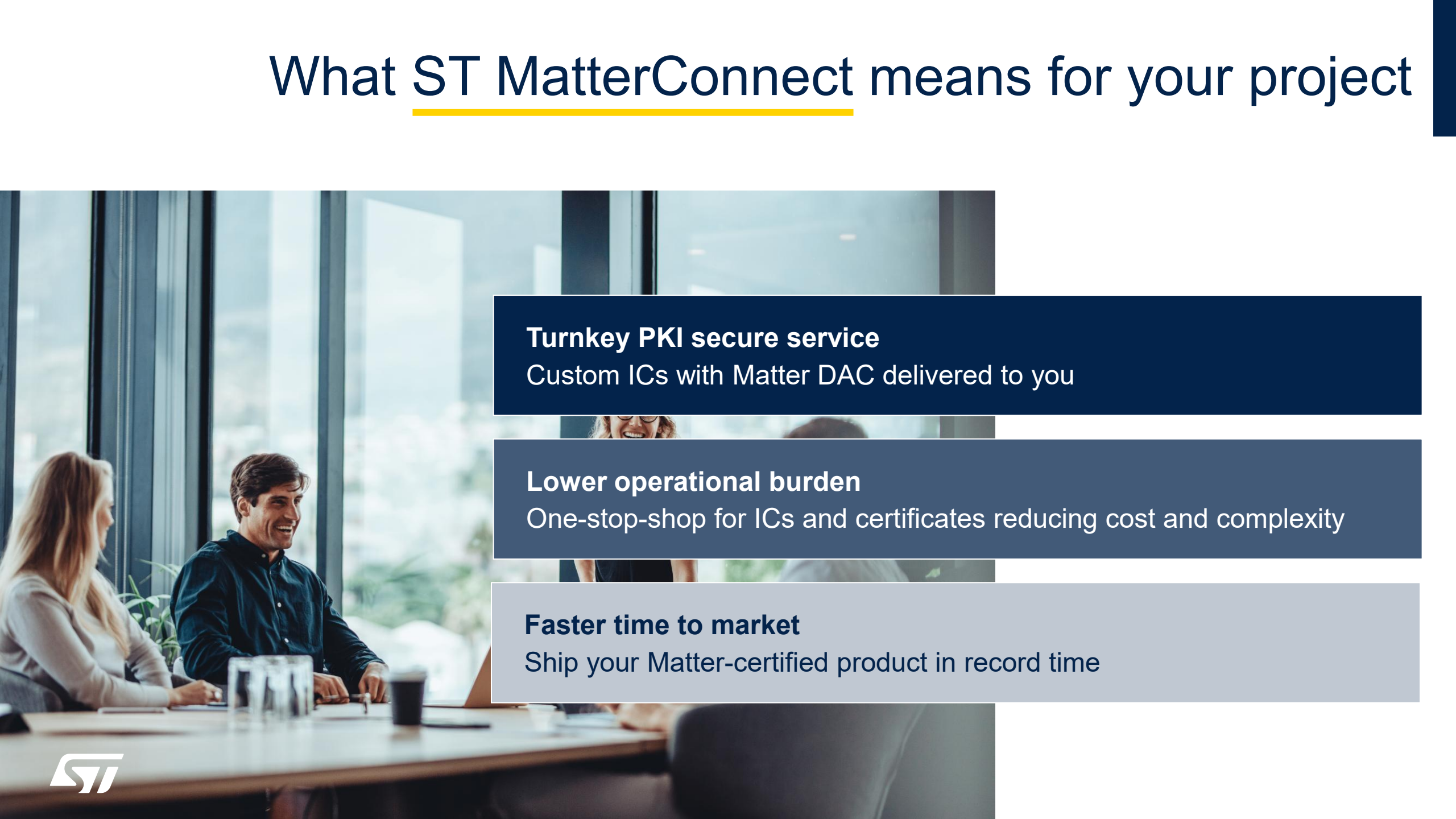
ST is a CSA member and is involved in the Matter specification development.



Eligible products for ST MatterConnect

	<u>ST25DA-C</u>	<u>STSAFE-A120</u>
Definition	Dynamic NFC/RFID tag IC for NFC-based Matter commissioning	Secure authentication companion IC for connected products
Use cases	Device onboarding Device commissioning over NFC Additional secure services	Strong authentication Secure connection establishment Usage monitoring Host platform integrity
Package	DFN8	SO8N DFN8
Packing	Reel	Reel
MOQ	5Ku	5Ku

What ST MatterConnect means for your project



Turnkey PKI secure service

Custom ICs with Matter DAC delivered to you

Lower operational burden

One-stop-shop for ICs and certificates reducing cost and complexity

Faster time to market

Ship your Matter-certified product in record time



Move faster with ST MatterConnect

Speed up your time to market

Let us handle complexity, save time, focus on your product innovation.

Take the next step



Visit our webpage.

Contact us



For a technical discussion.

www.st.com/contact



Our technology starts with You

Find out more at www.st.com/MATTER

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