



## CASE STUDY

# How Cargill Achieved 80% Faster Invoice Processing with eMudhra's Remote Signing Service for Secure, Scalable Document Automation

## Overview

Trust is a hard thing to win and an easy thing to lose. For Enterprises, building Trust is a continuous process.

Just like all the companies in the world, even **Cargill** was exposed to both financial and reputational loss due to chances of fraudulent transfer of fund requests made by fraudsters imitating invoices and other documents.

By adopting remote digital signatures on documents, **Cargill** could ensure authenticity (digital identity), integrity (tamper proof) and legal non-repudiation of invoices and other documents in India and elsewhere. Hence, it was imperative for them to find a Trust Service Provider who could provide a seamless Remote Signing Service to help digitally sign invoices and other documents, without the burden of managing digital certificates and signing keys locally.

Cargill wanted to achieve end-to-end legal non-repudiation of documents, to automate invoice signing and mitigate dependency on manual processes

## Solution

Team at eMudhra deployed proprietary Remote Signing Service, which offered a perfect blend of technology and expertise to solve the business challenge at hand. Company seals to be used for signing were safely stored in our highly secure Hardware Security Modules (HSMs). Only the hash values of invoices and other documents to be remotely signed were pinged to our Remote Signing Engine. This ensured end-to-end legal non-repudiation of documents.

- API based remote signing service was deployed that easily integrated with our client's India business applications to handle high volumes of remote signing transactions
- Digital Certificates were safely stored with eMudhra at our highly secure Hardware Security Modules (HSMs)
- Our client was able to generate tamper-proof documents using identity-verified digital signatures issued by eMudhra
- AATL approved Digital Signatures were issued by eMudhra which are natively trusted by Adobe.

## Value added to Clients

eMudhra's Remote Signing Service enabled **Cargill** to remotely sign a multitude of invoices and other documents without the need to print, sign and send. This in turn helped the company to reduce the overall TAT on invoice signing and document processing by up to 80%. By adopting eMudhra Remote Signing Service, they were able to achieve 100% digital transformation in invoice processing with complete guarantee of legal non-repudiation.

## Challenge

A very large volume of invoices and other documents were being generated by **Cargill** on a regular basis. Manual signing process made the task tedious, costly, prone to errors and raised security concerns for the overall brand image of the company.

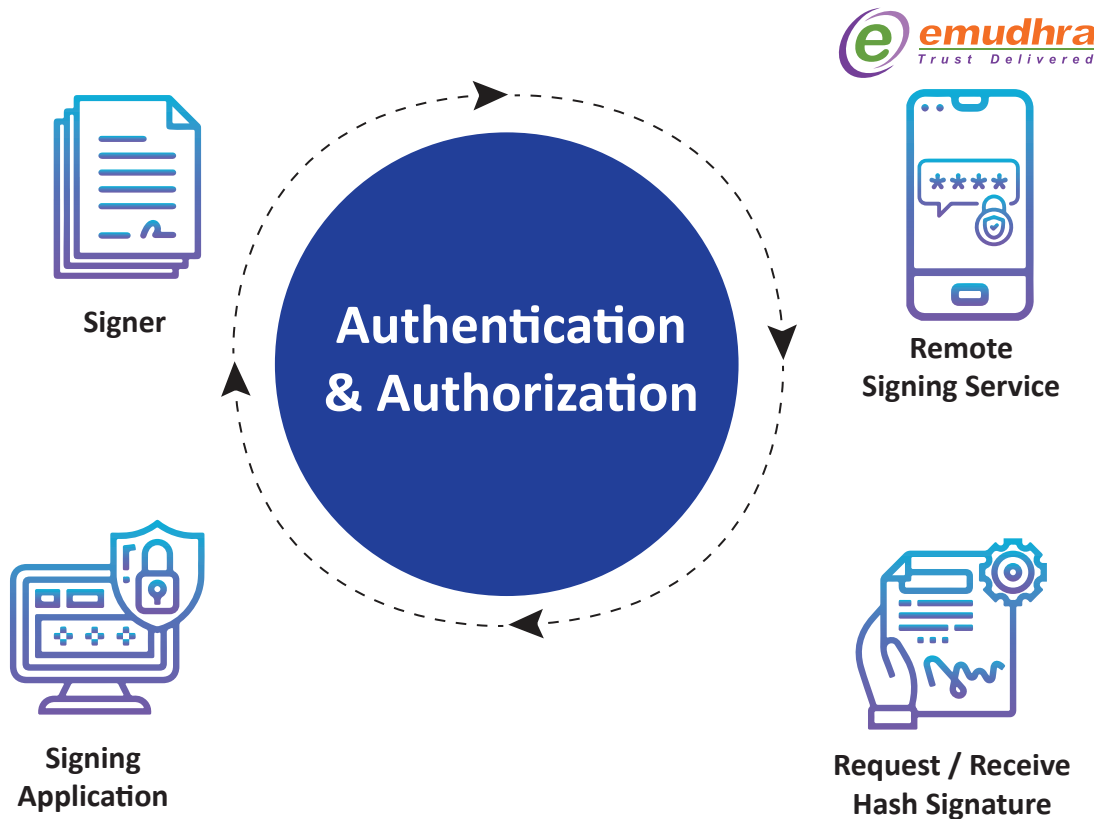
With existing solution at hand, **Cargill** had to either use hardware token or PIN based signing which slowed down the process and required manual intervention at all stages of signing. The existing solution was infrastructure-intensive and required a good chunk of CAPEX investment to setup the entire digital signing infrastructure inhouse. Scalability of solution was yet another challenge as **Cargill** wanted to set up a high-availability remote signing service that could handle multiple transaction requests with a very low latency system.

OVER 15 YEARS  
EXPERIENCE IN  
DIGITAL IDENTITY AND  
TRANSACTION  
MANAGEMENT

100K  
CHANNEL  
PARTNERS

900+  
ENTERPRISE  
CUSTOMERS

## System Architecture



### About eMudhra

eMudhra is a leading provider of digital trust solutions, specializing in Public Key Infrastructure (PKI), Post Quantum Cryptography (PQC), and Fully Homomorphic Encryption (FHE) technologies. With a robust portfolio that includes digital signature solutions, identity management, and secure transaction solutions, eMudhra empowers organizations across various sectors, including defense, finance, healthcare, and government, to enhance their digital security. Committed to innovation and excellence, eMudhra continuously invests in research and development to stay ahead of technological advancements, ensuring their

solutions meet the highest standards of security and compliance. By integrating cutting-edge cryptographic technologies like PQC and FHE, eMudhra ensures that its clients are equipped to face future cyber threats with confidence. With a global presence and a strong customer base, eMudhra is dedicated to fostering a secure and digitally empowered world.