



**Trustifi**

# Trustifi Case Study

Email Security Solution

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**Manufacturing Sciences  
Corporation**

## Manufacturing Sciences Corporation

(a GMIS Company) adopts Trustifi's secure email solution in order to ensure the email security necessary for their industry, to open the door to a cybersecurity certification, and to provide a comprehensive, functionally rich, simple and secure email solution for their users.

Manufacturing Science Corporation (MSC) is a leader in specialized metal fabrication providing products and services to a wide range of government and commercial customers throughout the world in sectors such as for nuclear energy, defense, medical devices, materials research, and a wide range of industrial and medical applications. It is the only commercial facility in North America capable of casting, plate rolling, machining and fabricating depleted uranium (DU) and natural uranium (NU) on-site. MSC also processes nonradioactive specialty metals for aerospace, wireless telecommunications, metal manufacturing, materials research and nuclear applications.

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*"Trustifi serves as a Company asset and differentiator that we present as one of the components that enable us to obtain certification. We found that with Trustifi, it was easy for the MSC team to receive emails and encrypt outgoing communications. Training staff to send and receive encrypted email was intuitive and simple; it literally took only seconds to understand how to send an encrypted email."*

### **Ellen Donnelly**

Co-Chief Executive Officer  
Manufacturing Sciences Corporation

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*"Cybersecurity compliance is a priority for MSC, and it is one of the areas that Trustifi helps us with the most. My favorite Trustifi feature is that it is easy to use. Despite the people in our Company having a wide range of skill levels, no one has come back and said that they found it difficult to use. Installing Trustifi and going live was very straightforward. I did not run into any issues."*

### **Rodney Messer**

Head of IT  
Manufacturing Sciences Corporation



# Your Weakest Link— Humans and Their Emails

**Trustifi provides email protection for the weakest link in an organization – the humans and their emails.**

## External Malicious Actors

Phishing, email fraud, malicious attachments, malware and ransomware operate via email with the objective of stealing trade secrets, process descriptions, competitive business information and money. Their malevolent objectives can cause any company significant damage to their intellectual property, products, businesses reputation, brand and finances.

Organizations are constantly being bombarded by malicious attack threat vectors that operate through email inboxes/outboxes. Attacking entities use a wide variety of ever increasingly sophisticated techniques to lure your employees and customers in order to attack your organization through email, while evading detection forever (or at least until it is too late).

## The Human Element

Data exfiltration is the act of malicious entities deliberately moving sensitive data from inside an organization towards an outside entity without permission. However, just as important is to have extra layers of automated protection against the inadvertent (or purposeful) sending of sensitive information by email from inside the company to an employee's own personal account or to a third-party.

# At MSC, Information Security is at the Forefront

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Ellen Donnelly, co-CEO of Manufacturing Science Corporation (MSC), has served as a CEO and CFO for a number of companies and in different business sectors.

As part of the leadership team at MSC, she notes that, *“Some of our contracts have specific cyber security and security requirements. We work internationally with both private industries and governments, and have cyber security requirements on various levels –*

- **General Business Requirements** – *Protection of employee and our customer information together with business transactions and correspondence.*
- **Specialty Metal Cybersecurity** – *We must protect proprietary information about the materials and processes that we use, and all products that leave our property.*
- **Regulatory and Compliance Certifications** – *The nature of our business requires that we adhere to numerous regulatory and compliance certifications relating to our licensing, our processing capabilities and safety.”*

Rodney Messer, Head of IT at MSC says, *“Malicious actors are always finding new cutting-edge methods for getting around any type of protection you put in place. We were always focused on figuring out the best way to protect, update and stay a step ahead of the attackers. I set up and implemented MSC’s network from the ground up, and it is essential that I make sure that everything coming in and going out is totally secure. We needed to have encrypted communication with our customers and implementing Trustifi has been a really good addition to our cybersecurity program”.*

***“With an international customer base of private companies and governmental organizations, we are potentially a target for malicious entities. Since we work with both nuclear and non-nuclear materials, we have extra sensitivity in this area”***

- Ellen Donnelly



## Certification

**There are various levels of program certifications.** Certification is a component of demonstrating adherence to requirements that can be important to some of our customers and acquiring the desired level of certification typically involves internal and external implementation, audits and verifications.

### Trustifi Checks the Boxes for the Certification Process

*"Cybersecurity compliance is one of our biggest concerns and it is one of the areas that Trustifi helps us with the most," says Rodney Messer, adding, "Previously we were using the basic features of Microsoft's E3 email security, but our customers were asking whether we were implementing an encryption system."*

Ellen Donnelly says, *"When looking at the compliance requirements, it made sense to begin to look for something else and we know Trustifi's reputation. It was a logical place to start."*



***"Cybersecurity compliance is one of our biggest concerns and it is one of the areas that Trustifi helps us with the most"***

- Rodney Messer

# Outbound Email Encryption Made Easy

**Trustifi uses automated data loss prevention (DLP) encryption and contextual frameworks in order to automatically recognize outbound emails containing sensitive information.** Trustifi then automatically encrypts them in order to ensure that confidential data is protected from the prying eyes of hackers.

Trustifi comes with a rich variety of predefined types of data that you might want to protect, such as Payment Card Industry (PCI) data. In addition, you can create rules that automatically detect and encrypt messages that contain any type of sensitive information, such as technological secrets, product specifications, process recipes and so on.

The system automatically scans outgoing emails and applies the rules, finds the keywords and automatically encrypts and locks the relevant outgoing emails, without any input from the user, while sending relevant notifications to your Trustifi administrators. This ensures that sensitive data and attachments are not at risk before they reach their intended target.

Rodney Messer says, *"We installed Trustifi on outgoing emails and have been doing various tests. We found that it does exactly what it is supposed to do. For example, in one email, Trustifi caught a Social Security number, assigned it a sensitivity scale of five and automatically encrypted the email. It then notified us, so that we could put a stop to this kind of thing going to customers."*

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## Trustifi's Inbound Shield

Hackers can use outbound emails to learn with whom your users communicate and how they communicate in order to impersonate those contacts so that they can execute malicious activities, such as to exfiltrate sensitive information and to execute financial transactions. Hackers then send your users emails containing malicious links and attachments that enable the hackers to gain access to your users' mailboxes. These hackers can then monitor, change and steal data in order to secretly use that mailbox in order to generate more Business Email Compromise (BEC) attacks, while remaining undetected.

**Trustifi's Inbound Shield protects users' inboxes from malicious links, files, BEC attacks and spam by using dedicated AI that implements a series of dynamic and comprehensive engines.**

Rodney Messer says, *"By implementing the Inbound Shield, it blocks communications coming in that you do not want your employees to receive or click on. It is important to identify all the things that Trustifi catches in incoming emails and monitor such potential attacks by using their dashboard and reports."*

# Trustifi is Extremely Simple to Use and Very Easy to Set up

**Trustifi makes it easy for your IT security staff to get the security they need, including alerts, traceability, monitoring and awareness, while being straightforward, transparent and simple enough for end users to apply all this security at the click of a button.**

Trustifi is Click-of-a-Button Easy – End-to-end secure emails are sent and tracked with the click of a button, and easily opened, read and returned.



## Easy to Use

*"My favorite Trustifi feature is that it is easy to use. Despite the people in our Company having a wide range of skill levels, no one has come back and said that they found it difficult to use. Another feature is that, while individuals have the option to send an encrypted email at any time, the user sending the email does not even know that it is working if the Trustifi automatic encryption is triggered from our customized rules," says Rodney Messer.*

*Ellen Donnelly says, "We find that with Trustifi, it is easy for our team to receive emails and decrypt them and it literally takes only seconds to learn how to send an encrypted email. Trustifi's encryption does not have to be used all the time, so it is not cumbersome to regular communication. Using Trustifi is like having a wise and ever-vigilant assistant monitoring and guiding all your communications."*

*Rodney Messer says, "Another nice thing is that you can log into the Trustifi admin dashboard and see all the emails that were sent. For example, to know whether each email was delivered, whether it was read and the sensitivity scale of the information that it contains. It is interesting to see the sensitivity scale of various types of emails. Not everyone is aware of the sensitivity of the information that they type into an email. On Trustifi's dashboard it is easy to manage."*



## Easy to Set Up

*Rodney Messer said, "Installing Trustifi and going live was very straightforward. I did not run into any issues. The only thing I had to handle was to adjust the rules to customize them to our needs, but that was really simple to do. Again, it is very straightforward."*

# Trustifi is Easily Deployed with No Architecture Changes

Other customers of ours have said, "Unlike its competitors, Trustifi's solution was the ideal balance of user-friendly and advanced security technology. Trustifi excels in these situations. Its deployment is simple and only takes less than fifteen minutes. In the rare occasion that the infrastructure was more complex, Trustifi took immediate action to remotely rectify any roadblocks."



**Gmail/G Suite**  
Add-in or Relay



**Outlook/O365**  
Add-in or Relay



**Any Email Server**  
Relay

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## Affordability

*"We found Trustifi to be highly affordable, especially for the level of capabilities that it offers"*

- Rodney Messer

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## Trustifi Service

*"We are definitely happy with the service"*

- Rodney Messer

# Other Great Features That Users Like

When you choose Trustifi, you are getting a holistic email security solution – not just email encryption.



## Multi-factor Authentication

Trustifi provides multi-factor authentication that identifies the receiver of the email in order to ensure that your confidential and sensitive information is kept safe from hackers.



## Know What's Happening with Each Email

Trustifi enables you to postmark proof, track and see when and where emails are opened. It provides visibility and enables rapid response to all email-based threats and attacks.

Trustifi uses machine learning technology to create baseline profiles of all users in order to detect anomalies in user access behavior. Trustifi gives administrators real-time notifications upon account compromise.



## No Special Passwords

With Trustifi, email users do not have to deal with a separate login. There is no need to enter a complex password in order to access an encryption service. With Trustifi, you simply open your email application and press a button to encrypt/decrypt email sending/receiving.



## Adding Other Recipients to an Encrypted Email Thread

With Trustifi, even when you are corresponding with multiple recipients, you can add another recipient to an email trail who becomes part of the encrypted secure correspondence. There is no need to start a new email thread. Trustifi automatically handles all this for you.



## Recalling/Changing Emails After They have Been Sent

When you want to recall an email, the traditional method is that you send another email saying, "please don't read this email". With Trustifi, you can actually replace the email and/or its attachment, track it and do all this without involving the recipient.



## About Trustifi

Trustifi's email security services feature a comprehensive suite of email tools for advanced threat protection, data loss prevention and enterprise email encryption.

- Provides visibility into all email-based attacks.
- One-Click compliance.
- Enables email authentication for both inbound and outbound email.
- Protects against data loss.
- Enables rapid response to threats and attacks.

### Advanced Threat Protection

- Malware and ransomware virus detection, prevention, protection and alerts
- Spoofing, phishing and fraud detection
- Whitelisting and blacklisting options

### Data Loss Prevention

- 100% compliant with HIPAA/HITECH, PII, GDPR, FSA, FINRA, LGPD, CCPA and more
- Realtime knowledge about when emails have been received, opened and read with certified delivery and tracking
- Two-factor authentication on the recipient (even without registering)

### Encryption

- NSA-grade end-to-end email encryption, with full inbound and outbound protection
- Full Data Language Processing (DLP) with sophisticated rules engine to support any use case
- Secure mobile relay for full protection on any device
- Recall, block, modify and set expirations for already sent and delivered emails



### 256-Bit AES Encryption

NSA grade protection over your data and files

### Extra Security Features

- One time access to files/emails
- Block access to print files
- Delete or edit messages after they have been sent

**Inbound Protection**  
Stay protected from malicious links and files, viruses, phishing and spoofing attacks, ransomware attacks and even Spam.



### Multi-Factor Authentication

on the recipient- You can choose to lock an email by adding a pin or a question that can only be unlocked by the intended recipient for an extra layer of protection

### No Log-in Portal or Account Necessary

one click authenticate and decrypt allows your recipients to open your emails and also reply encrypted without ever having to sign up or login to anything



Contact Trustifi today to discuss how to maintain your organization's sensitive data with the easiest to use email security platform

[www.trustifi.com](http://www.trustifi.com)

1-844-235-0084