

# CYBER LEADERSHIP IN MANUFACTURING

How Carbon Revolution Drives Innovation  
Through Advanced Cyber Practices



## The Background

Carbon Revolution is a global technology company and leading Tier 1 Original Equipment Manufacturer (OEM) supplier listed on the Nasdaq in New York, and a valued strategic partner of Evolution Systems since 2014.

Through our comprehensive consultancy, technical services, and project management, we have supported Carbon Revolution's transformation and growth trajectory. Since the partnership began, Carbon Revolution has expanded from 30 users to over 460, leveraging our expertise to scale its IT infrastructure and operational capabilities.

Most recently, Carbon Revolution has engaged Evolution Systems to strengthen its cyber resilience. With a few hundred employees across engineering, manufacturing, and corporate functions, they needed reliable systems and strong cyber maturity to protect intellectual property and meet international partners' expectations

## The Challenge

Prior to involving Evolution Systems, the Carbon Revolution IT team was capable but stretched thin and focused on production uptime. Security controls were inconsistent, patching and access weren't standardised, and visibility was limited.

There was no structured alignment to the Essential 8, ISO 27001, or NIST, leaving resilience gaps. The key risks included protecting crown-jewel IP, satisfying partners' compliance requirements, and keeping operations secure without enterprise-sized resources.

## The Solution

We stepped in to provide **both managed services and managed security services, giving Carbon Revolution one accountable partner across IT and cyber.**

Working together with Carbon Revolution's IT team, Evolution Systems eliminated hand-offs and delivered measurable improvements through a pragmatic, phased approach.

That included in particular:

- **Integrated IT and security strategy:** Combined infrastructure management with advanced cyber protection to ensure consistency and accountability.
- **Framework-driven maturity:** Every action aligned with Essential 8, ISO 27001, and NIST to build resilience step by step.
- **Quick wins that mattered:** Stabilised patching, access controls, and endpoint protection before layering advanced monitoring.
- **Executive clarity:** Translated technical progress into plain, professional reporting - making cyber security a regular boardroom priority.
- **Structured roadmap:** Guided the business from Essential 8 Level 1 toward higher maturity levels, balancing progress with budget and operational needs.



## The Outcome

Carbon Revolution achieved immediate protection against critical risks while establishing a long-term path to maturity. Security monitoring evolved from limited visibility to 24/7 oversight with clear response playbooks. Their IT team was freed from the full weight of cybersecurity, enabling sharper focus on innovation and production uptime.

Executives gained confidence through transparent reporting and measurable progress, while international partners saw alignment with recognised compliance frameworks. Employees became even more engaged and resilient, with stronger awareness and phishing resistance.

Most importantly, these improvements were introduced without disrupting any ongoing manufacturing operations. Cyber security was carefully layered in, ensuring everything continued to run smoothly.

Today, Carbon Revolution continues to lead in the market by delivering OEM wheel programs for Ford, Ferrari, General Motors, Jaguar Land Rover, Renault and Lamborghini while enjoying stronger protection, enhanced visibility, and a clear forward strategy - trusted foundations that allow them to innovate with confidence.

## About Evolution Systems

Our purpose is to improve lives through technology.

For more than 25 years, Evolution Systems has partnered with Australian and international organisations to deliver managed services, private cloud, and cyber security solutions that drive clarity, resilience, and growth.

We take a personalised approach to every engagement, working closely with our clients to eliminate friction from IT processes, reduce unnecessary complexity, and create secure, scalable environments that support long-term success.

