

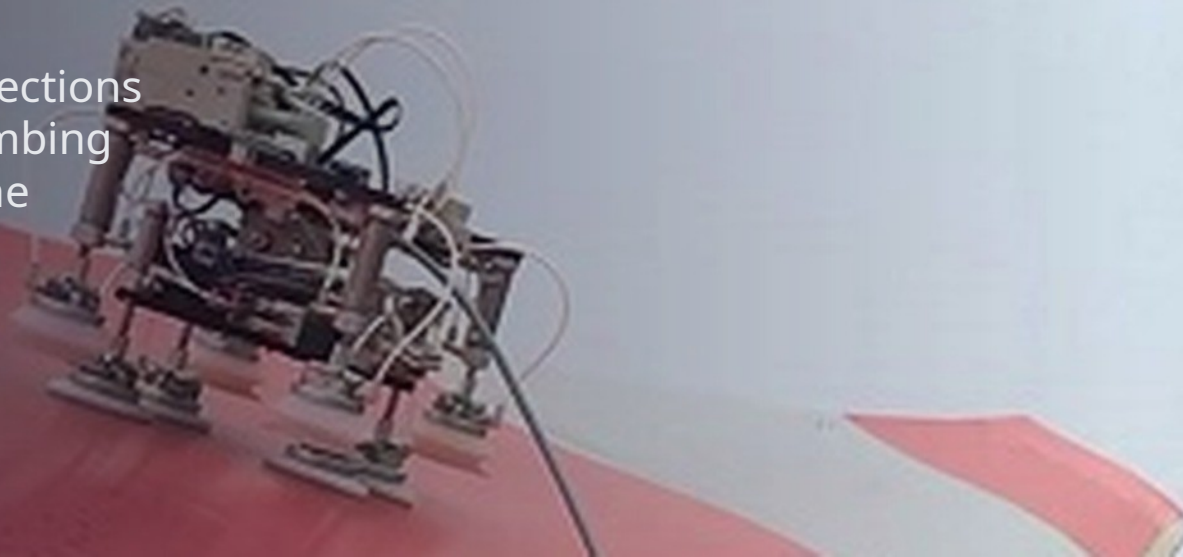


POWERED BY A U.S. PATENTED CLIMBING ARCHITECTURE

Climbing Robots for Wind Turbine Blade Inspection & Repair

Replacing rope-access inspections with remotely operated climbing robotics — autonomy on the roadmap.

wwRobots Canada Ltd.



The pain we're solving

01 High Cost

Manual blade maintenance
\$20k-\$50k per turbine

02 High Risk

Thousands of technicians
work at heights every day

03 Low Efficiency

Complex safety measures,
tight weather windows



Wind energy is growing fast. So is the need for a safer, faster, and more cost-effective way to maintain critical infrastructure.

Our Innovative Solution

Remotely Operated Robotics for Infrastructure Maintenance

Our patented climbing robotics platform delivers safe, efficient, and reliable maintenance across complex vertical surfaces.

One Platform. Complete Solutions.

- Inspection
- Cleaning
- Maintenance
- Repair
- Remote Operation
- AI Vision (roadmap)

Safer Operations

Reduce risk for
human workers

Higher Efficiency

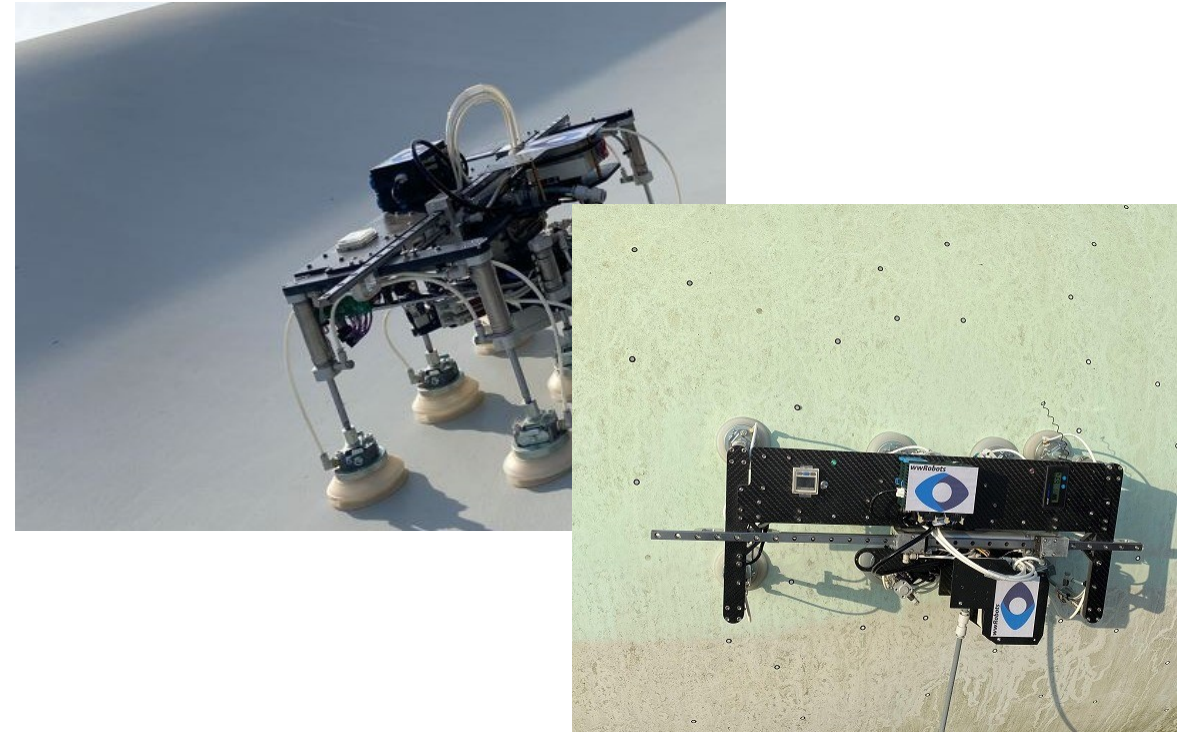
Faster inspections
and maintenance

Lower Cost

Reduce downtime
and O&M expenses

Data-Driven Decisions

HD inspection data for
smarter asset management



Real hardware — field units

Why We're Different

Engineered for Performance. Built for Safety.

The Climbing Robot is an integrated climbing system equipped with advanced sensors and modular tool modules for different functions.

- Patent
- Obstacle Crossing
- Modular Tools
- Remote Control
- Ultra-light

Dynamic pneumatic leg extensions deliver an industry-leading 50–100mm obstacle straddling limit.

Every suction cup is powered by an independent vacuum generator, guaranteeing uncompromising surface grip — while operators stay safely on the ground.

DESIRED OUTCOMES: ENHANCED EFFECTIVENESS.

FEATURE	BENEFIT	COMPETITIVE EDGE
Remote Operation	Technicians stay on the ground	Zero rope-access exposure
360° Mobility	Adaptable to various environments	Agile responses to terrain

Defensible Technology

Granted U.S. Patent (US 12,534,143 B2) · 2026-01-27

CORE INNOVATIONS PROTECTED

- Sling-free remote-controlled climbing mechanism
- Dual-section mutual translation architecture
- Pneumatic obstacle-crossing system
- Modular tool interface for inspection, cleaning and maintenance

COMMERCIAL ADVANTAGES

- Lightweight (<9 kg)
- Crosses obstacles up to 100 mm
- Adaptable to multiple vertical infrastructures
- Platform architecture for multiple industries

Field validated 2022 — bare-unit climbing tests on multiple turbine blades; sub-9 kg design confirmed. No customer deployments yet.

High-Margin Asset Light Economics

Granted U.S. Patent

US 12,534,143 B2

2026-01-27

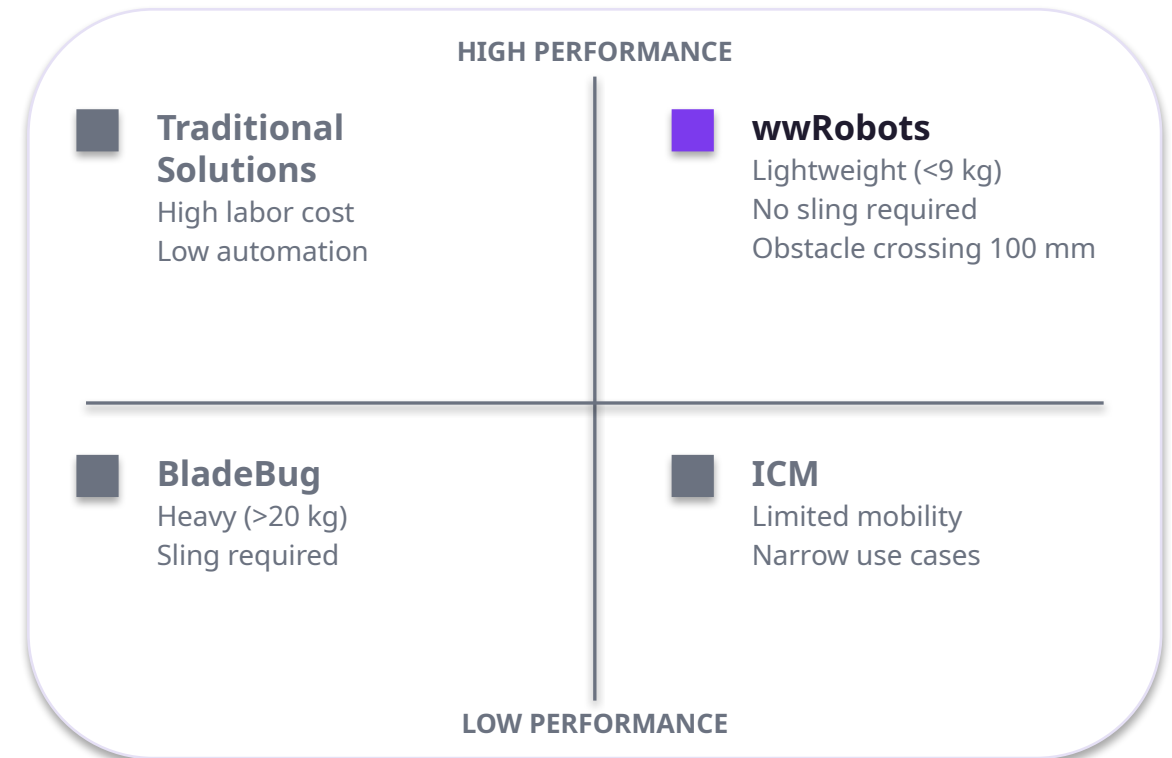
Proprietary Know-how

- 15+ years wind industry experience
- Climbing mechanism optimization
- System integration expertise
- Continuous IP and algorithm development

Field Validation on Real Infrastructure

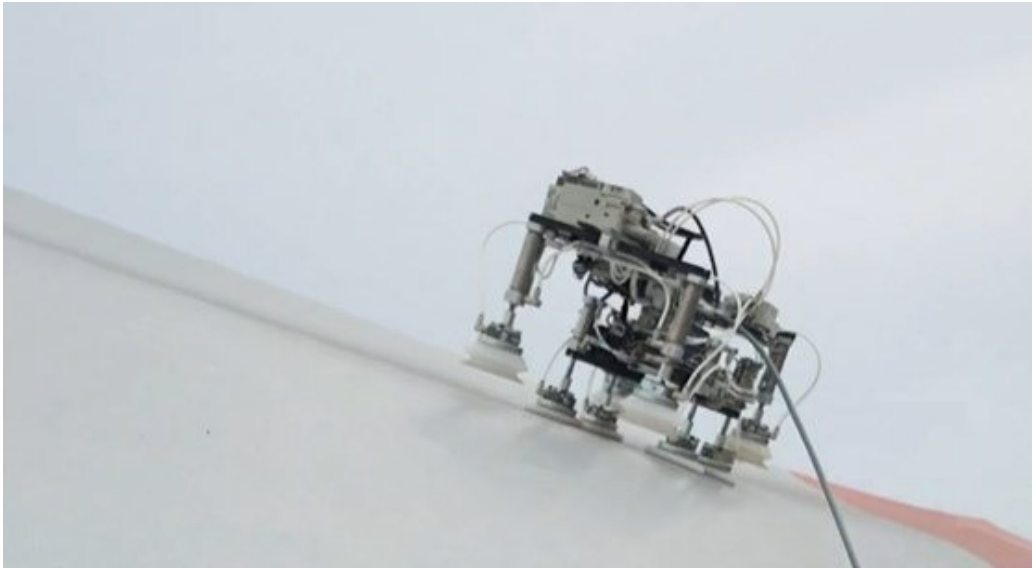
- Operational wind turbine blades
- Glass curtain walls
- Stable adhesion, obstacle crossing, and remote-controlled mobility
- Proven under real-world conditions

Performance vs Cost Positioning



Our patented technology combination creates a moat that is hard to replicate and easy to scale.

The opportunity



BEACHHEAD

Wind Energy in North America.

Entering through the wind industry where the pain is urgent, the value is clear, and our advantage is unmatched.

Wind Energy

Blade inspection and maintenance
for onshore & offshore wind farms

\$7.7B

2025 TAM

Building

Facade inspection, cleaning
and maintenance

\$1.3B

2025 TAM

Industrial

Tanks, chimneys, bridges,
ships, solar panels and more

\$30B+

2025 TAM

Infrastructure Platform

Software, AI analytics and data platform
across vertical infrastructure

\$46B+

2025 TAM

VISION

One robotics platform.

Multiple industries.

Global impact.

Our patented climbing robotics platform and modular tool ecosystem will transform how the world maintains critical infrastructure.

Wind Turbines

Blade inspection,
cleaning, repair

Buildings

Facade inspection,
cleaning, repair

Solar Structures

Panel cleaning
and inspection

Bridges & Towers

Inspection and
structural monitoring

One Platform. Unlimited Potential.

Building the world's leading climbing-robotics platform for infrastructure maintenance — remote-operated today, autonomous tomorrow.

From Hardware to Recurring Revenue

ROBOT

Hardware Platform

- High-performance climbing robot
- Modular and upgradable
- Built for multiple vertical surfaces

INSPECTION

Inspection Services

- Automated data collection
- High-resolution imaging and sensing
- Defect detection and reporting

MAINTENANCE

Maintenance Services

- Cleaning and minor repair
- Preventive maintenance
- Extend asset life and reduce downtime

DATA PLATFORM

Inspection Insights

- HD imaging and sensor data
- Defect trending and analysis
- Actionable reports
- AI vision in development

ANNUAL SERVICE

Recurring Revenue

- Software, analytics and updates
- Remote monitoring
- Ongoing support and service

RECURRING REVENUE DRIVES LONG-TERM VALUE · High gross margin · Predictable revenue · Strong customer retention

How we scale

1

PROTOTYPE

Build, test and validate core technologies and platform performance.

2025 – 2026

2

PILOT

Deploy pilot projects on operational assets and prove value in real world conditions.

2026 – 2027

3

FIRST CUSTOMER

Secure first paying customer and achieve repeatable success case.

2027 – 2028

4

OEM PARTNERSHIP

Partner with OEMs to integrate our solution and expand market reach.

2028 – 2029

5

GLOBAL

Scale across regions and industries to become the global category leader.

2030+

TARGET CUSTOMERS

LM WIND POWER

Leading blade manufacturer with global operations

GE VERNOVA

Global wind turbine leader with strong service network

SIEMENS GAMESA

Global technology leader with extensive installed base

FOCUSING ON STRATEGIC PARTNERSHIPS AND LONG-TERM CUSTOMER SUCCESS

3-year plan

YEAR 1 Build & Validate Jul 2026 – Jun 2027		YEAR 2 Commercialize & Grow Jul 2027 – Jun 2028		YEAR 3 Scale & Expand Global Jul 2028 – Jun 2029	
FOCUS	Develop core technology and robotic tool modules. Validate value in real-world conditions.	Convert pilots to revenue. Expand partnerships and manufacturing. Drive sustainable growth.		Scale globally and establish industry leadership.	
MILESTONES	• Develop and integrate robotic tool modules • Complete system development and field testing • Launch 3–5 pilot projects; secure IP protection	• Convert pilots to paid deployments • Establish OEM partnerships • Expand manufacturing and supply chain		• Deploy at scale across global markets • Deepen strategic OEM integration • Build industry-leading brand and ecosystem	
KEY METRICS	2–4 Tool Modules Developed 3–5 Pilot Projects 2 Patents Filed · 10+ Team	\$5M+ Annual Recurring Revenue 10+ Paying Customers 100+ Units Deployed		\$25M+ Annual Recurring Revenue 3+ Regions, Global Presence 500+ Units Deployed	
OUTCOMES	Validated technology and tool modules, protected IP, and strong foundation.	Sustainable revenue growth, strong customer base, and scalable operations.		Global leader in automated wind turbine blade maintenance.	

Why this team

FOUNDER

Vision, Leadership
& Direction

INDUSTRY EXPERTISE

Deep Knowledge of
Wind & Infrastructure

TECHNOLOGY

Proprietary Innovation
& Patented Technology

EXECUTION

Business Execution
& Scalable Growth

Wei Wu

Founder & CTO

- Wind Industry
- Granted U.S. Patent
- Automation Design

Kai Wu

CEO

- Manufacturing
- Sales
- Strategic Partnerships

Changyun Cai

Marketing

- Marketing
- Key Accounts
- Operations

TOGETHER COMBINING

ENGINEERING

Deep technical expertise
and proprietary innovation

WIND INDUSTRY

Extensive industry knowledge
and real-world experience

COMMERCIALIZATION

Market insights, customer focus
and scalable business execution

Why now?

The time to act is now.

wwRobots is uniquely positioned to lead the transformation of infrastructure maintenance.

\$100B+

Infrastructure
maintenance market

10X

Efficiency
potential with robotics

Essential

For a safer,
more sustainable future

The perfect convergence of technology, market and need.

01

Wind Farms Are Aging

A large installed base of wind turbines is entering high-maintenance years.

Operators need safer, more efficient solutions now.

02

Robotics Is Ready

Breakthroughs in sensors, robotics and AI vision enable robotic inspection at scale.

03

Labor Shortages Are Worsening

Skilled technicians are scarce and costly, especially for dangerous high-altitude work.

Automation is no longer optional — it's essential.

04

Safety & Regulations Are Tightening

Safety standards and regulations are increasing worldwide.

Operators face growing pressure to reduce risk and improve compliance.