



Powering the future:
**Delivering near home EV
charging networks at scale**

About Urban Fox

Urban Fox Networks is a British electric vehicle (EV) chargepoint network operator with the capacity and capability to deliver large-scale EV charging networks.

As part of Balfour Beatty Group, we can leverage over a century of experience delivering complex, multi-site projects in the infrastructure and energy sectors.

We offer a comprehensive range of slow, fast and rapid near home EV charging solutions, including our innovative retractable, kerbside chargepoint, designed to minimise the impact of EV charging infrastructure on the streetscape.

With our commitment to high quality service delivery, our power to fully fund networks through significant capital from Balfour Beatty Investments and our unique commercial model, we are a trusted partner in transitioning communities to 100% EVs. We have the expertise and financial strength to deliver the right chargepoint, in the right place, at the right time.



EV drivers want convenient, near home charging

Despite a significant increase in rapid and ultrarapid hubs and forecourts over the past five years, EV adoption remains low amongst residents without a driveway.

Recent research¹ by the Department for Transport (DfT) shows that EV drivers need convenient, near home chargepoints to meet their primary charging needs.

According to the research, the proximity of chargepoints to drivers' homes is more important than the speed or price of charging. While destination and rapid chargepoints are valuable secondary charging additions, most EV drivers want to charge their car where they park at night.

¹ [Public ev charging infrastructure research report \(PDF\)](#)

Therefore, meeting the EV charging requirements of the 30-80% of households (depending on location) without a driveway is crucial to achieving the green targets set out in the UK Government's Electric Vehicle Infrastructure Strategy 'Taking Charge'.

We support local authorities in achieving these targets and meeting the growing demand for accessible and reliable on-street charging by deploying sustainable, resilient and convenient EV charging networks across the UK.

What we offer

We are your trusted partner, offering an end to end solution to near home EV charging infrastructure.

Urban Fox leverages Balfour Beatty's unmatched scale, skill and capability to deliver EV charging networks across the UK.



Funding solutions

We offer flexible funding solutions

With the financial backing of Balfour Beatty Investments, we can offer fully funded network rollouts as part of long-term partnerships. If grant funding is available, our expert team can advise how it can be used to maximise social and geographic equity and accelerate EV adoption across communities.



Network planning

Our network planning is data-driven

Our data analysis team uses in-house forecasting tools and Geographical Information Systems (GIS) comprising more than 50 data sets, to optimise the progressive development of EV charging networks.

Our data is regularly updated to provide insights that enable better decision-making. Combining this with a long-term partnership arrangement means we can develop a bespoke and unbiased network deployment plan spanning both on-street and car parks, that can adapt quickly in line with the transition to EVs.



Chargepoint installation

We can install chargepoints at scale

Balfour Beatty has extensive experience deploying streetscape infrastructure at scale, including the installation of more than 200,000 lamp posts across the UK. We will combine this with our own experience of operating EV chargepoints to deliver an efficient EV charging network.

We take care of the planning, design and installation process from start to finish. We can also assist you with submitting and securing grant funding applications along the way.

What we offer

Continued...



Sustainable networks

We strive for optimum network utilisation

We want to create thriving and sustainable charging networks, so we strategically install chargepoints just ahead of demand. This ensures there are enough chargepoints to support and encourage drivers to transition to EVs. It also means parking spaces can be switched to EV bays at a pace that doesn't frustrate other drivers.

In addition, building a charging network that grows with the transition to EVs creates sustainable local employment and upskilling opportunities.



Reliable operations, maintenance and support

We maintain resilient charging networks and support network users

- **24/7 helpdesk** – Live operators deal with any queries or concerns
- **Back office** – Our Chargepoint Management System (CPMS) monitors the network in real time, providing alerts and reports
- **Urban Fox app** – EV drivers can use our app to find, operate and pay for chargepoints and to contact our helpdesk
- **Contactless payment** – Available on all rapid chargepoints and some slow and fast chargepoints
- **Maintenance** – Local maintenance engineers quickly and efficiently deal with any maintenance or emergency issues



Resident engagement

We recognise that community engagement is essential before, during and after installation. We work in collaboration with each local authority by sharing the network strategy, the chargepoint installation schedule and by providing residents with the opportunity to give feedback or access further information.

To ensure the very best end user experience, feedback is essential. We ask local residents to participate in annual customer satisfaction surveys to ensure we continuously improve and evolve our offering.

Our aim is to provide a comprehensive solution that minimises our local authority partners' workload whilst ensuring the highest standards of service delivery.

Our product range

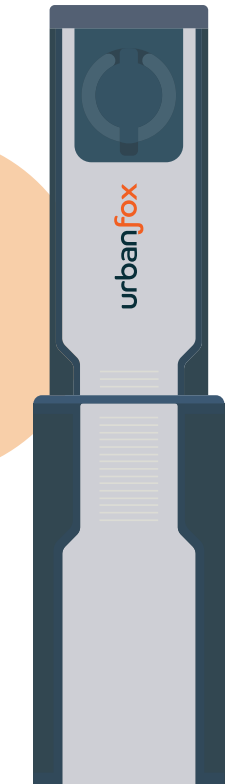
We offer a comprehensive range of slow, fast and rapid on-street and car park chargepoints. All our chargers are fully accessible (PAS 1899:2022 compliant).



The UEone

The scalable solution to on-street charging

Our flagship retractable chargepoint is the perfect solution for residents without driveways. When not in use, the fast charger auto-retracts flush underground, leaving pavements clutter-free and accessible for everyone.



Key benefits:

Fast

Dual socket 7kW charging ensures a full charge by morning

Easy to use

Rises from the ground for easy one-handed insertion of the standard Type-2 charge cable and retracts automatically underground after use

Flush fitting

Designed to minimise street clutter and pavement obstruction

Scalable

Suitable for installation in up to 80% of streets. The sloping UEone is also available for streets with a steep incline

Safe

Sensors stop the chargepoint from rising if an obstruction is detected

Reliable

99%+ network uptime with unit replacement in as little as 30 minutes

Resistant

The retractable design minimises the risk of vandalism

British

Manufactured in the UK for quality and control

Robust

IP67 rated, it is designed to withstand all weather conditions

Accessible

Accessible by all EV drivers, the UEone is the only flush fitting PAS 1899:2022 compliant chargepoint

Future proof

Our pit installation design allows for future chargepoint provision and can incorporate additional technologies such as wireless, sensors and cameras

The UEone

Continued...

Our on-street, retractable charging hubs typically comprise of up to six EV charging bays with three dual-socket chargepoints. This can support the charging needs for up to 60 EVs.

The UEone has an innovative plug and play installation system that allows the chargepoints to be installed independently from the civils and electrical work. This means we can install the infrastructure for future chargepoints at the same time as those being installed straight away (also known as passive provision). As demand increases, additional chargers can be installed in under 30 minutes without disrupting residents with extra civils works.



“The UEone is a look into the future of our streetscape and works towards many of the best practice design standards for enhancing the public realm. We are very aware of the need to develop charging infrastructure across the city over the coming years and this innovative solution helps to drastically reduce street furniture which improves aesthetics and improves accessibility.

As a Council we need to help those without off-street parking to be able to transition to EVs to achieve our Climate Emergency targets. The UEone allows us to overcome these issues and looks great in the process.”

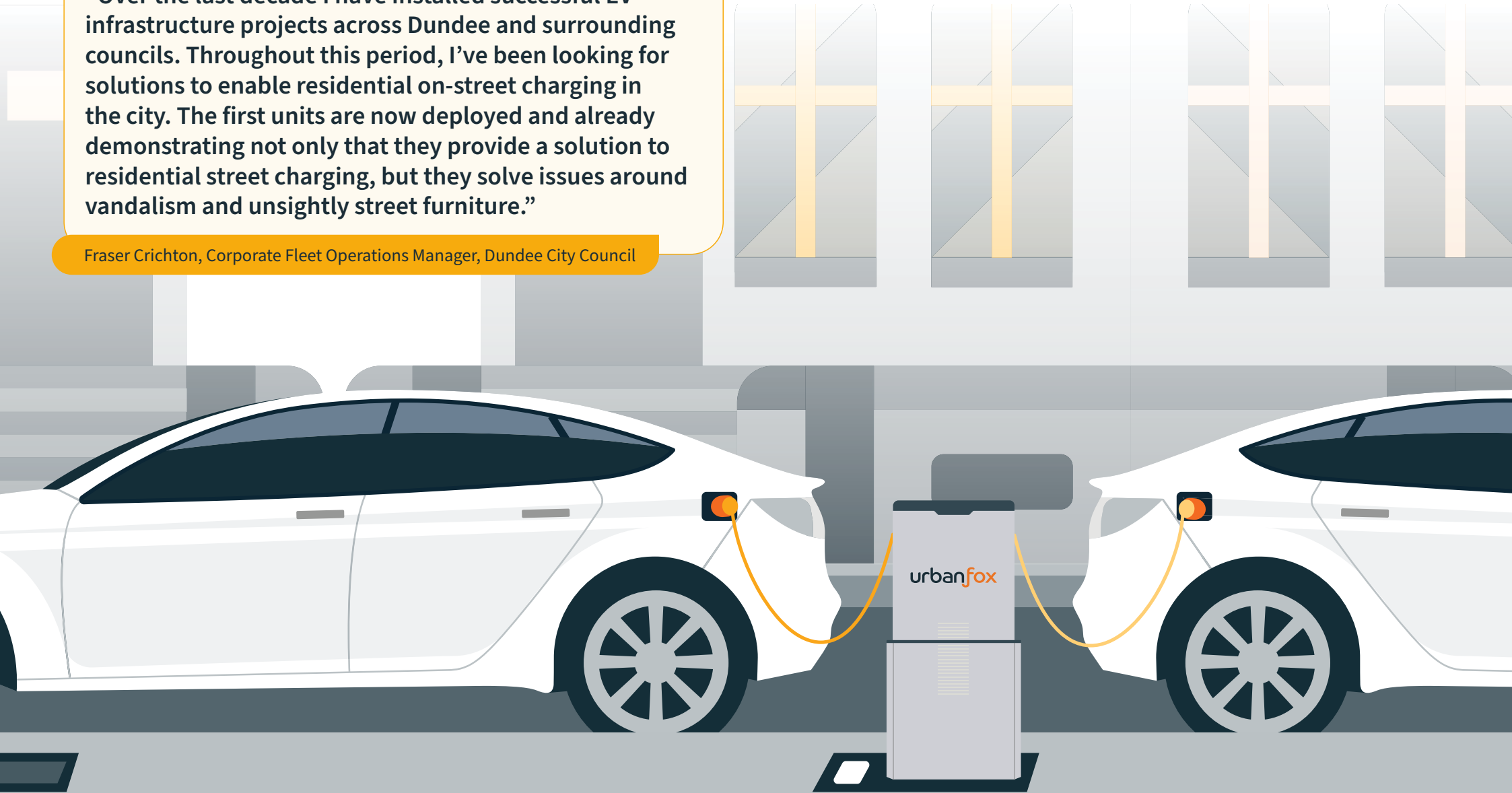
Dan Turner, Low Carbon City Officer, Plymouth City Council

“Has the potential to be rolled out across the whole country.”

Ian Mickle, Innovate UK Director
Clean Growth and Infrastructure

“Over the last decade I have installed successful EV infrastructure projects across Dundee and surrounding councils. Throughout this period, I’ve been looking for solutions to enable residential on-street charging in the city. The first units are now deployed and already demonstrating not only that they provide a solution to residential street charging, but they solve issues around vandalism and unsightly street furniture.”

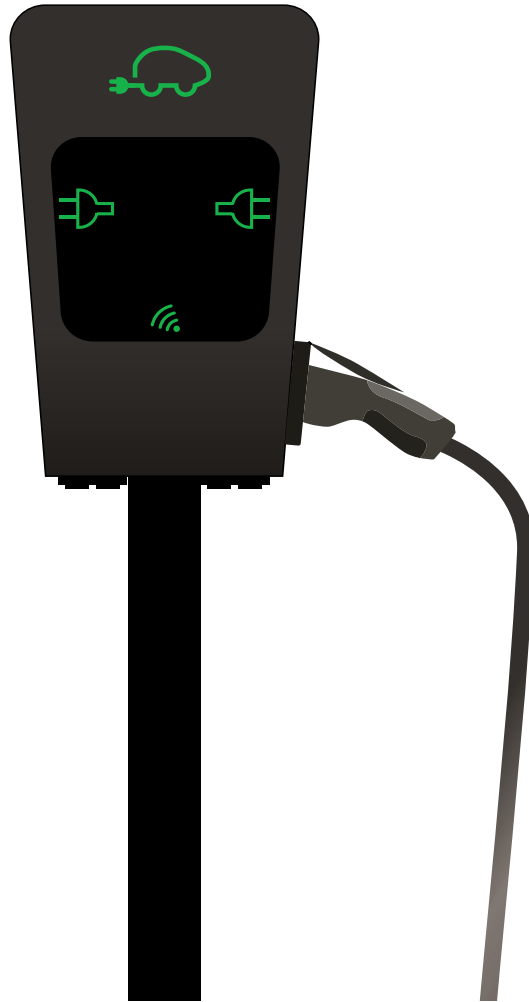
Fraser Crichton, Corporate Fleet Operations Manager, Dundee City Council



CTEK Chargestorm

The Chargestorm is a state-of-the-art EV charger specifically designed to be safe and easy to use.

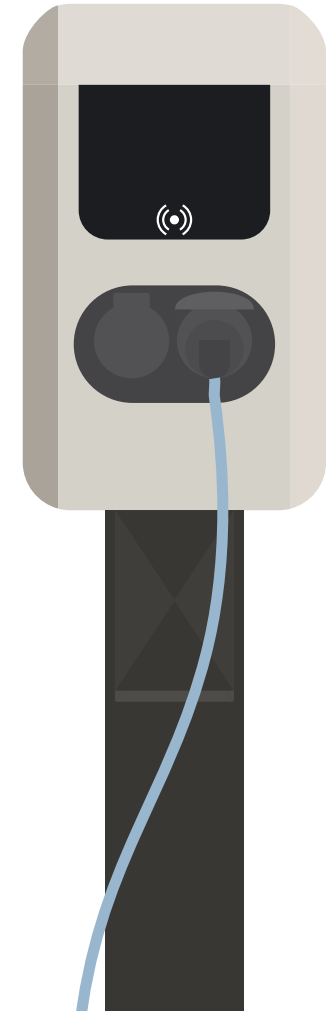
- 1.4kW to 22kW
- On-street or car park
- 1-2 sockets
- Wall or pole mounted
- LED user interface



Alfen Eve Pro-Line

The Eve Double Pro-line is a smart chargepoint solution designed for high usage and regular user changeovers.

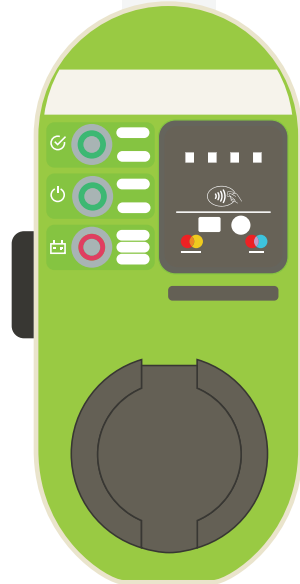
- 3.7kW to 22kW
- Car park
- 1-2 sockets
- Wall or pole mounted
- Full-colour 3.5" display



City EV Cityline 100

The Cityline 100 chargepoint is designed for ease of installation and use with its simple Plug & Charge operation.

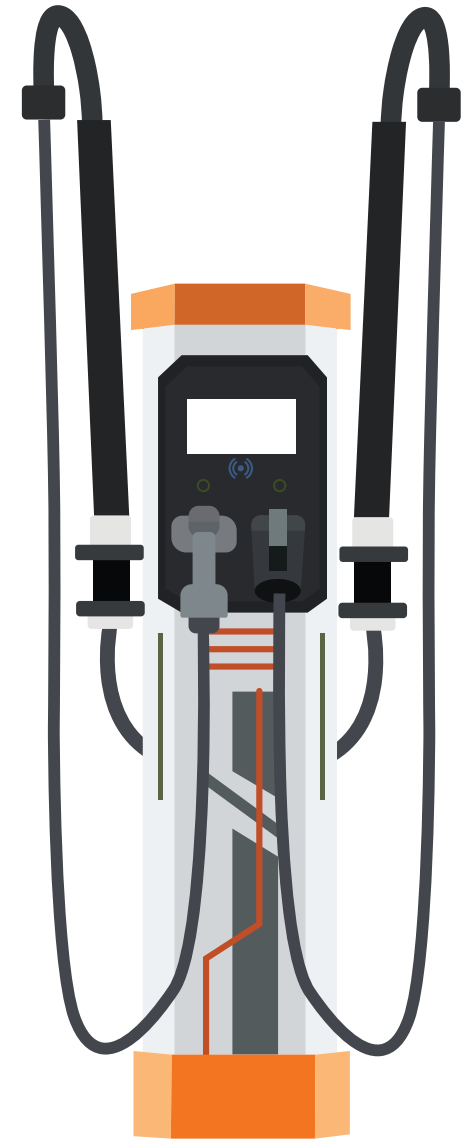
- 3.7kW to 7kW
- On-street or car park
- Single socket
- Lamp post mounted
- Bright tri-colour LED display



Kempower Satellite

The Satellite is a standalone rapid chargepoint used for destination charging.

- 50kW to 400kW
- Car park
- 1-2 sockets
- Standalone tower
- 7" touch screen display
- Separate modular power unit up to 600kW



urbanfox

Working together

We build genuine partnerships by working collaboratively with local authorities

Our long-term partnerships are based on mutual understanding, shared benefits and trust. That's why our commercial approach is transparent, flexible and collaborative.

A long-term arrangement is necessary to match the 20+ year transition to 100% EVs.

Our commercial approach draws on proven contract arrangements and adapts them to the specific needs of developing an EV charging network.

Our approach

A flexible and adaptable model



An opportunity to leverage high multiples of private sector funding compared to a traditional concession agreement



A focus on achieving objectives and goals for the charging network rather than specific quantities of chargepoints



Separation of the network planning phase from the installation and service delivery activities



Options that give local authorities real control and influence over the tariffs charged and the revenue share received

Our commercial model

Our innovative commercial approach is based on four key principles:

1 Fully funded network

We will fully fund the network roll-out, utilising grants where available, saving you precious time and resources.

2 Two contract approach

With a tweak to the concession model proposed by OZEV, our long-term contracts allow for flexible and continuous deployment of the chargepoints in line with EV adoption and creates a steady stream of local employment for the installation and maintenance of the network.

There is also a clear path to terminate the agreements if we don't deliver on our obligations.

Contract 1: Network Planning and Design

A 15-year Early Contractor Involvement (ECI) agreement that covers network planning and design in 3 x 5-year periods.

This 5+5+5-year contract includes:

- Clear outcomes and objectives for the charger network

- A KPI framework designed to achieve this
- A transparent change protocol to mutually agree variations necessary to keep the contract delivery fresh and relevant as the transition to EVs develops

Contract 2: A series of concession agreements for installation, operation and maintenance

Any concession agreement started in any 5-year network planning period would have a common end date, being 15 years from the end of each 5-year period. Each concession agreement includes:

- A KPI framework aligned to the Public Charge Point Regulations
- Mutually agreed service level expectations

A term of 15+ years is necessary (particularly for near-home charging) because:

- (i) It results in a lower tariff for end-users as the infrastructure cost component of the tariff is lower (e.g. long-term mortgages are cheaper than short term ones)
- (ii) The utilisation profile is uncertain

3 Flexible electricity procurement

Local authorities can usually procure electricity at a lower cost, giving greater control and certainty on:

- The tariff charged to users
- Your revenue share
- The variable electricity unit cost risk being passed to end users.

If preferred, we can support with the procurement of a suitable electricity supply.

4 A fixed, index-linked CPO revenue stream

Our revenue is derived from a p/kWh margin on electricity that increases only with inflation over time. This simple and transparent approach facilitates tariff setting.

Get in touch

If you want to know more about our services, get in touch with our sales team by emailing: **enquiries@urbanfox.network**

Journalists, please direct any media enquiries to: **pressoffice@balfourbeatty.com**

To find out more about Urban Fox, visit our website **www.urbanfox.network** or connect with us on social media.



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