

How Edeva Uses MongoDB and IronMQ to

Power Real-time Intelligent Traffic Systems

About Edeva AB and Actibump

Edeva AB develops and markets intelligent traffic systems. Their product is a dynamic speed bump called Actibump.



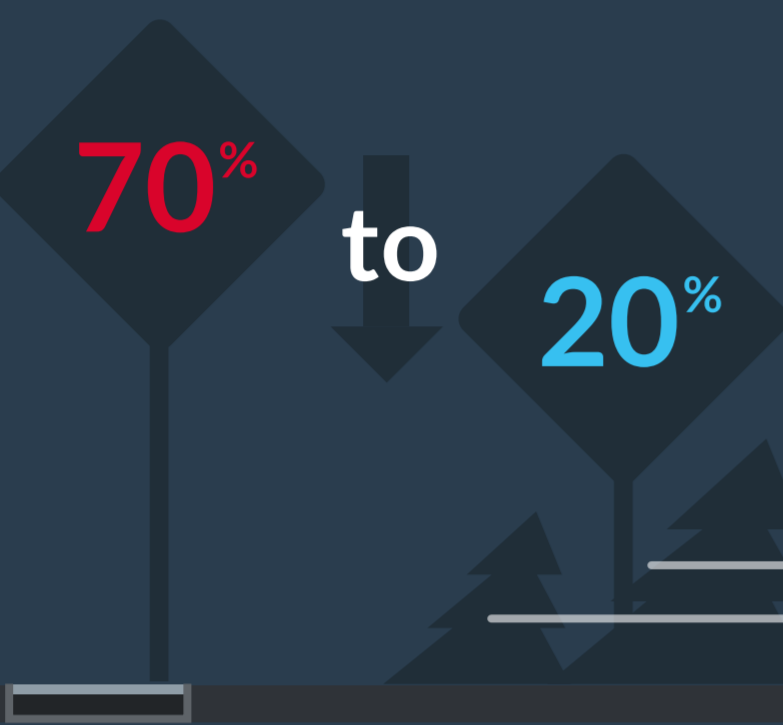
Edeva is led by **David Eskilsson** a spinoff from Prodelox, a member of the LEAD business incubator in Linköping.



2010

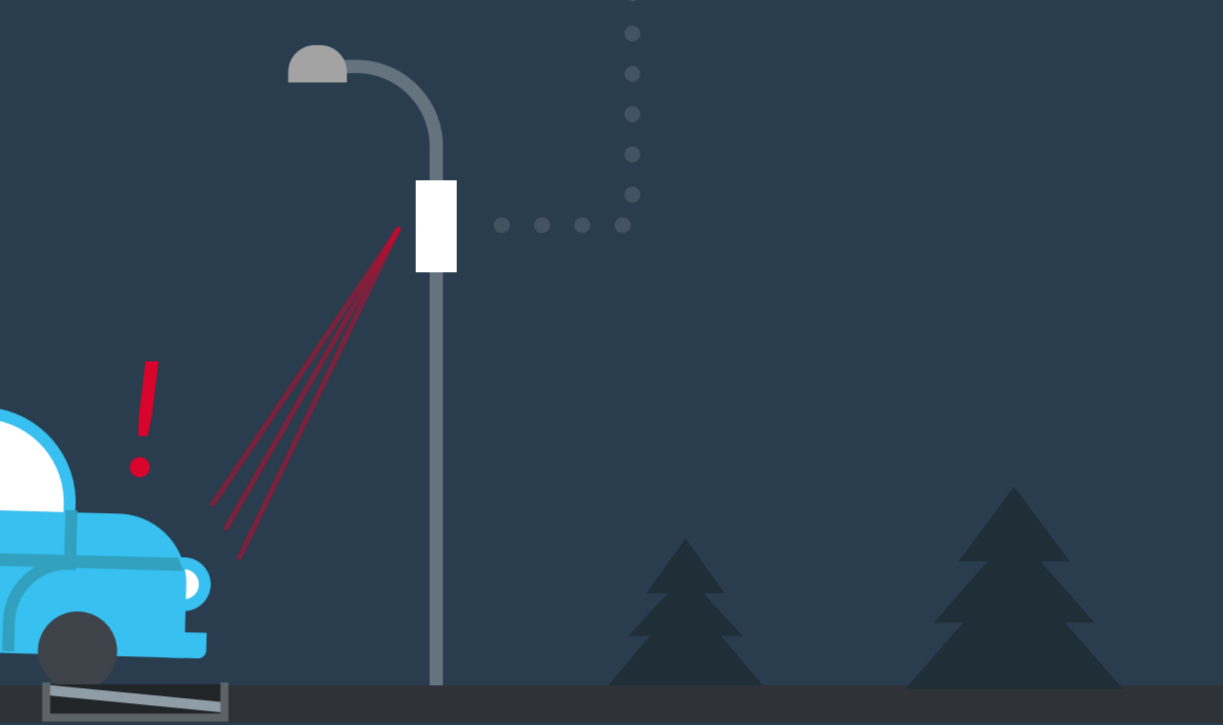
Linköping, Sweden
Actibump in operation

Percentage of vehicles exceeding speed limit dropped from



Actibumps are modules mounted into a cast foundation.

A radar unit that transmits information to a central control system.



The road modules raise and lower in response to vehicle speed and are controlled and monitored over the Internet.

Reducing Speeds on the Øresund Bridge

2013

Edeva AB won a public procurement for variable speed impediments to the Øresund Bridge.

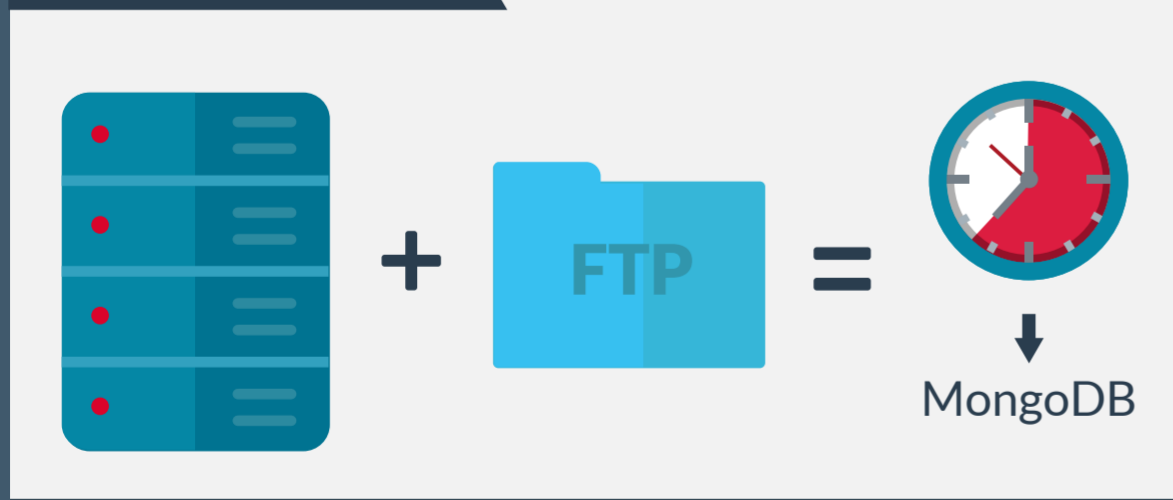
Actibump will be installed in four of the eleven lanes and will help make the work environment safe for bridge personnel.

How the Actibump Works

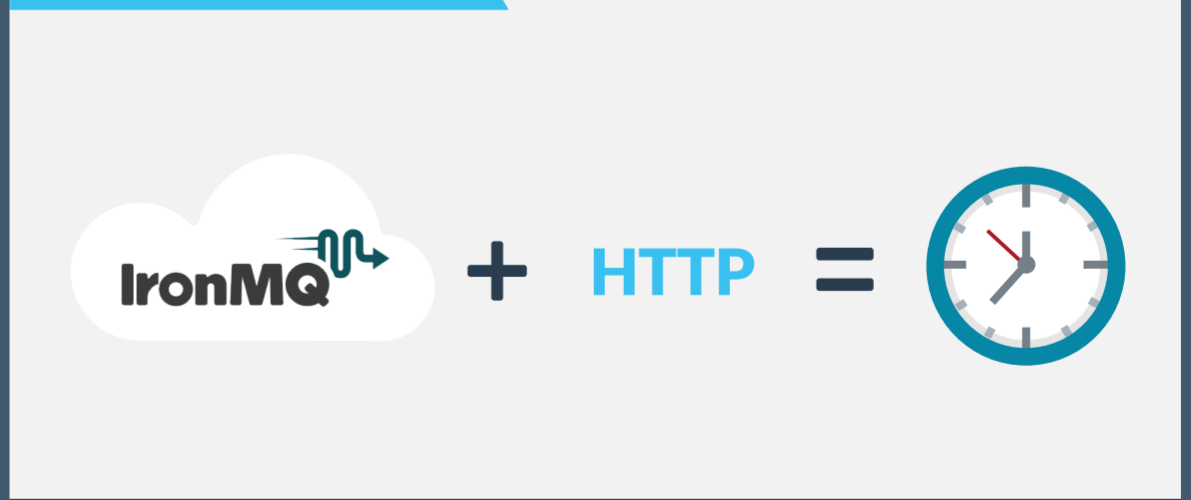


John Eskilsson
the technical architect of the Actibump system evolved a revised system to move captured data.

Before



After



Results and Future Works

Future work includes using Iron.io's Iron-Worker service to scale-out the program that harvests the event queue today and doing a fair amount of statistical analysis in the background on a continual basis.

1.3 million

events by Edeva so far in production from two speed bumps.

This figure will increase dramatically when the Øresund Bridge Actibumps come online in addition to other Actibump installations.