

Light up your dark data with OSIsoft and Nokia

A case study with Agilis Networks and Greater Sudbury Utilities

NOKIA



Speakers



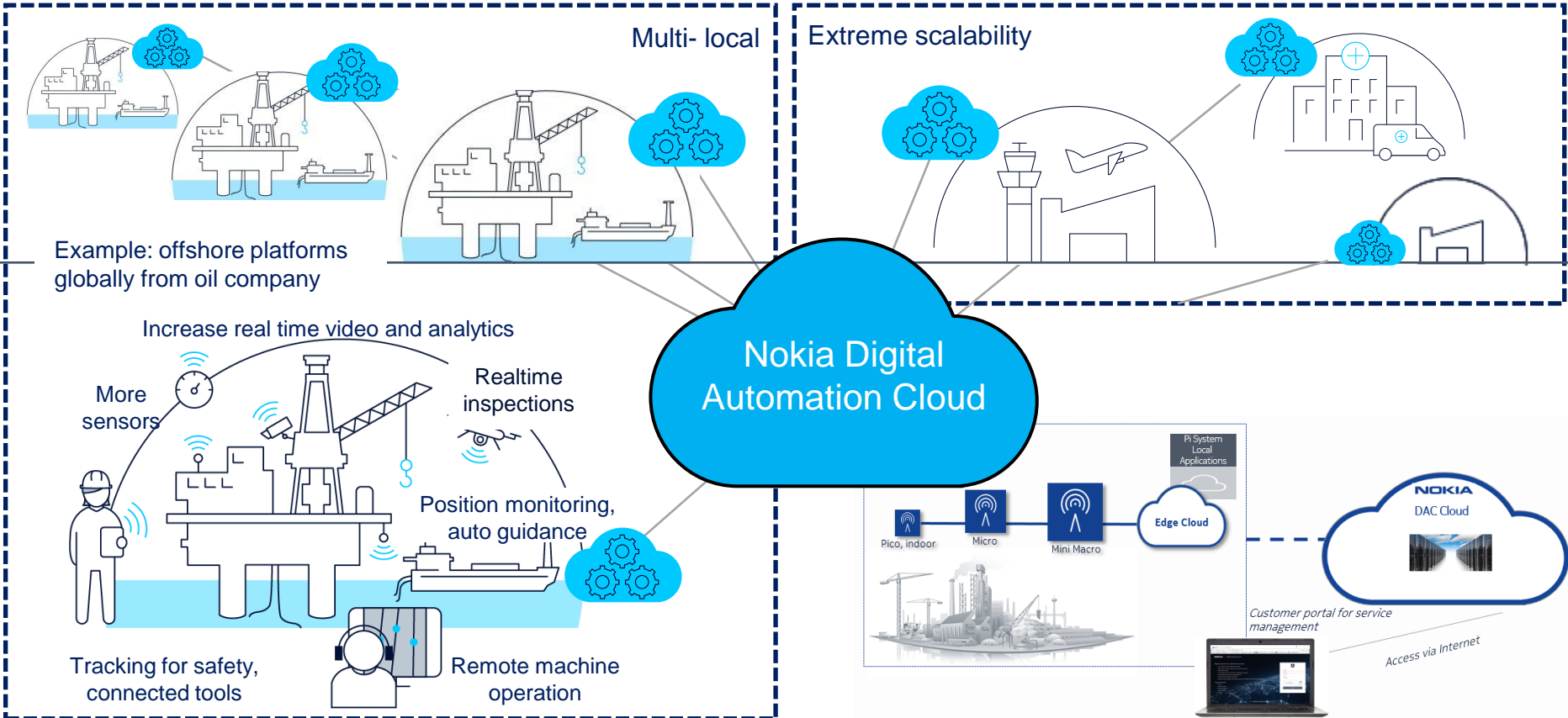
- David Letterman
- Head of Business Development, NAM
- Nokia
- david.letterman@nokia.com

**Meet Nokia at
booth #17 and
booth #5 (National**



- Josey Frescura
- General Manager
- Agilis Networks
- josey.frescura@agilisnet.com

Nokia Digital Automation Cloud – Industrial internet everywhere



Agilis Networks

Increase your confidence in the security and reliability of your servers.

With **Agilis Networks' Hosted Services**, you set up your machine and maintain full control, while we take care of the facility itself.

Worry Free Security
High Speed
Circuit Redundancy
Hardware Protection
Real-time Information



Customizable
Less Downtime
Expert Installation
Self-Manage

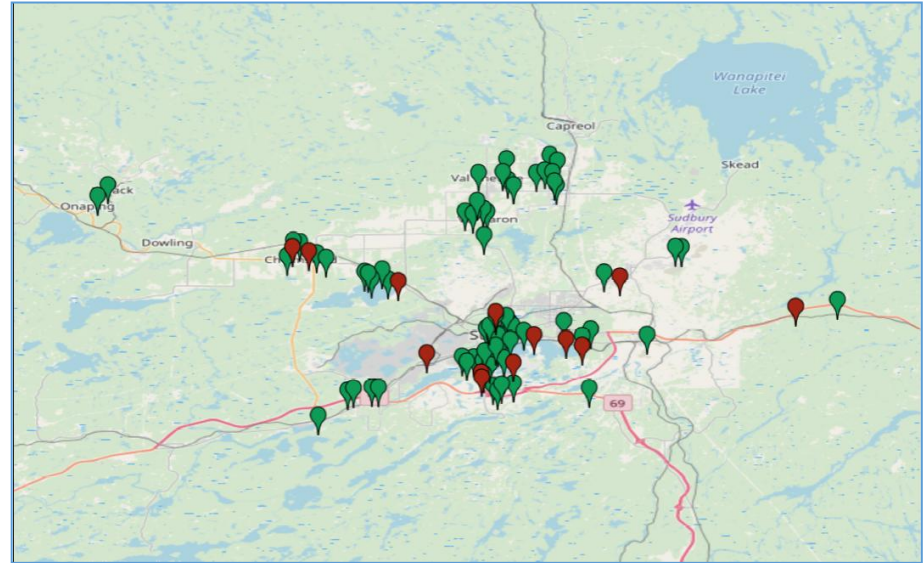


empowering communities
le pouvoir aux communautés

 AGSU company

The City of Greater Sudbury

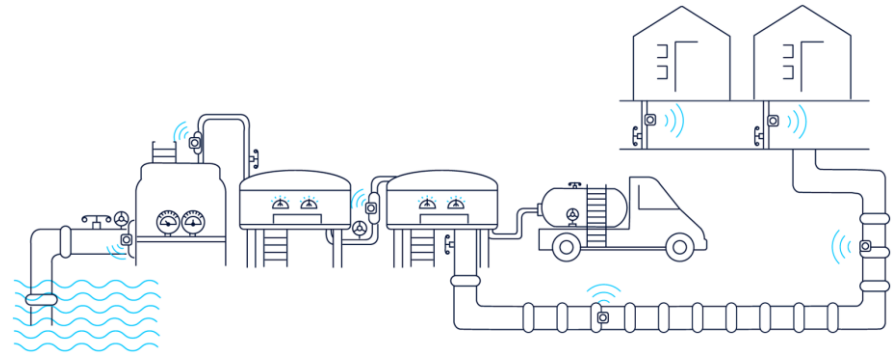
- Large region (8 x metropole size)
- Population spread out
- High infrastructure cost per kilometer
- Challenge to connect all water meters affordably



3924 Square Kilometers
Population of 160000

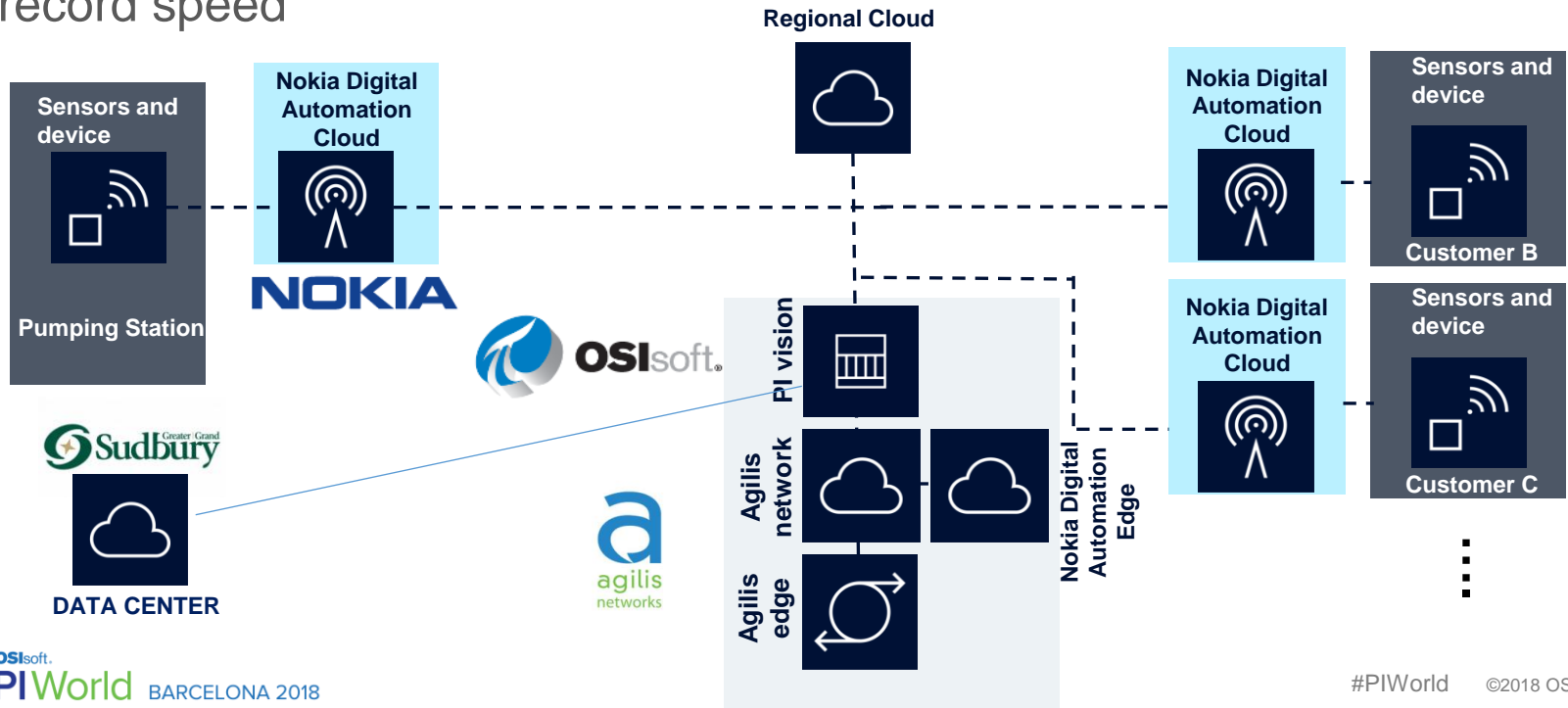
Customer Challenge: City of Greater Sudbury and implementation of District Water Metering Solution

- Missing secure, private wireless infrastructure to reduce water losses and predict water flow rates
- Lacking way to connect tens of remote meters efficiently
- High capacity wireless connectivity needed to manage high amount of transferred data without affecting quality of carrier services



Shared Private network for fast & cheap solutions

Tapping into data streams generated by sensors and other devices in CGS's wastewater treatment facility and distribution substations at a record speed



Benefits of lighting up dark data

Real-time visibility of the water levels in the whole Sudbury city

- “One stop shop” – scalable solution to provide visibility even to the sites that are most difficult to connect
- Considerable CAPEX savings by integrating control systems with the PI System and connected analytics
- Single pane of glass to water network
- Enable condition-based or predictive maintenance to prevent outages, reduce maintenance costs, and extend asset life

Next steps – Beyond water management

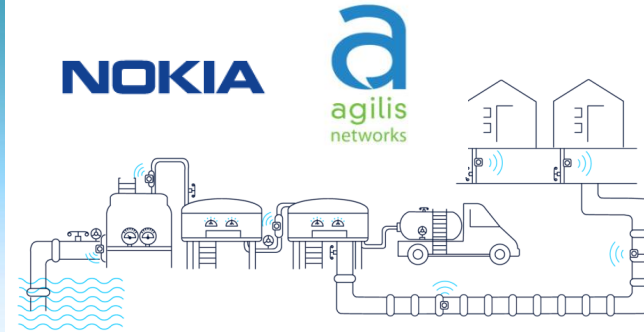
Sudbury Vision: "Silicon Crater"

- Teaming with strong partners – to bring better solutions – makes the difference
- Deploy solution to large mining operation
- Mining companies worldwide to visit Sudbury (NORCAT) as private LTE reference and innovation center
- Will continue to deploy beyond CGS to other Sudbury regional digital assets beyond water metering
- Engagement with post-secondary education



Nokia, Agilis Networks

Light up your dark data with OSIsoft, Agilis Networks and Nokia



CHALLENGE

City of Greater Sudbury and implementation of District Metering Solution

- Lacking a way to connect tens of remote meters efficiently
- High capacity wireless connectivity needed to manage high amount of transferred data without affecting quality of carrier services

SOLUTION

Tapping into data streams generated by sensors and other devices in CGS's wastewater treatment facility and distribution substations at a record speed

- Pervasive connectivity by Nokia Digital Automation Cloud
- Data collection services by OSIsoft
- Hosting platform by Agilis Networks
- Skillsets to implement solutions by all parties

RESULTS

Real-time visibility of the water levels in the whole Sudbury city

- “One stop shop” – scalable solution to provide visibility even to the sites that are most difficult to connect
- Considerable CAPEX savings by integrating control systems with the PI System and connected analytics
- Lower the cost of connectivity on remote locations
- Enable condition-based or predictive maintenance

Questions?

Please wait for
the **microphone**



State your
name & company

Please rate this session in the mobile app!

An advertisement for the OSiWorld mobile app. It features a dark blue background with a smartphone on the right side. The phone screen displays the OSiWorld logo and the text 'OSiWorld'. The main text reads 'DOWNLOAD THE MOBILE APP'. Below this, there are two bullet points: '• Rate sessions and provide feedback' and '• Meet and connect with other attendees'. At the bottom, it says 'Join the conversation and SHARE what you saw #osisoft #piworld'.



謝謝 KEA LEBOHA
 TAPADH LEIBH 고맙습니다
 БАЯРЛАЛАА MISAOTRA ANAO
 DZIĘKUJĘ CI NGIYABONGA TEŞEKKÜR EDERIM GRACIES OBRIGADO شكرا SALAMAT
 KÖSZÖNÖM DANKIE TERIMA KASIH DANKON TANK TAPADH LEAT SALAMAT
 СПАСИБО МУЛТUMESC
 PAKMET CIZGE GO RAIBH MAITH AGAT HVALA FAAFETAI
 БЛАГОДАРЯ GRACIAS ESKERRIK ASKO
 TI БЛАГОДАРАМ MAHADSANID HVALA ХВАЛА ВАМ
 TAK DANKE MAHAK JE EΥΧΑΡΙΣΤΩ GRATIAS TIBI TEŞEKKÜR EDERIM
 RAHMAT MERCI AČIŮ SALAMAT MAHALO IĀ 'ŌE TAKK SKALDU HA ДЗЯКУЙ GRAZIE
 HATUR NUHUN GRAZZI ПAKKA PĒR ありがとうございました DI OU MÈSI
 PAXMAT CAҒA SIPAS JI WERE TERIMA KASIH ĎAKUJEM MATUR NUWUN
 CẢM ƠN BẠN UA TSAUG RAU KOJ
 WAZVIITA TI БЛАГОДАРАМ
 СИПОС FALEMINDERIT



OSIsoft.

PIWorld

THANK YOU