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Building an OSPO

The Alliander Experiences

Jonas van den Bogaard & Judith Schepers-Bol
Alliander

#ospocon

Introduction

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Jonas van den Bogaard

Solution Architect
@Alliander



Judith Scheperboer-Bol

Scrum Master and OSPO
Community Manager
@Alliander

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Electricity grid length

92,000 km

91,000 km in 2019

Gas grid length

42,000 km

42,000 km in 2019

Number of customer
connections

5.8 million

5.8 million in 2019



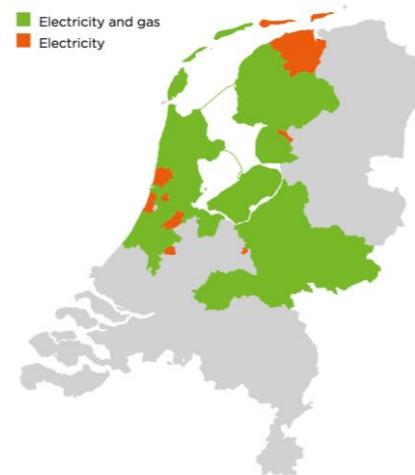
Number of employees

5,881 FTEs

5,703 FTEs in 2019



Electricity and gas
Electricity



Agenda

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OSPO
CON
EUROPE

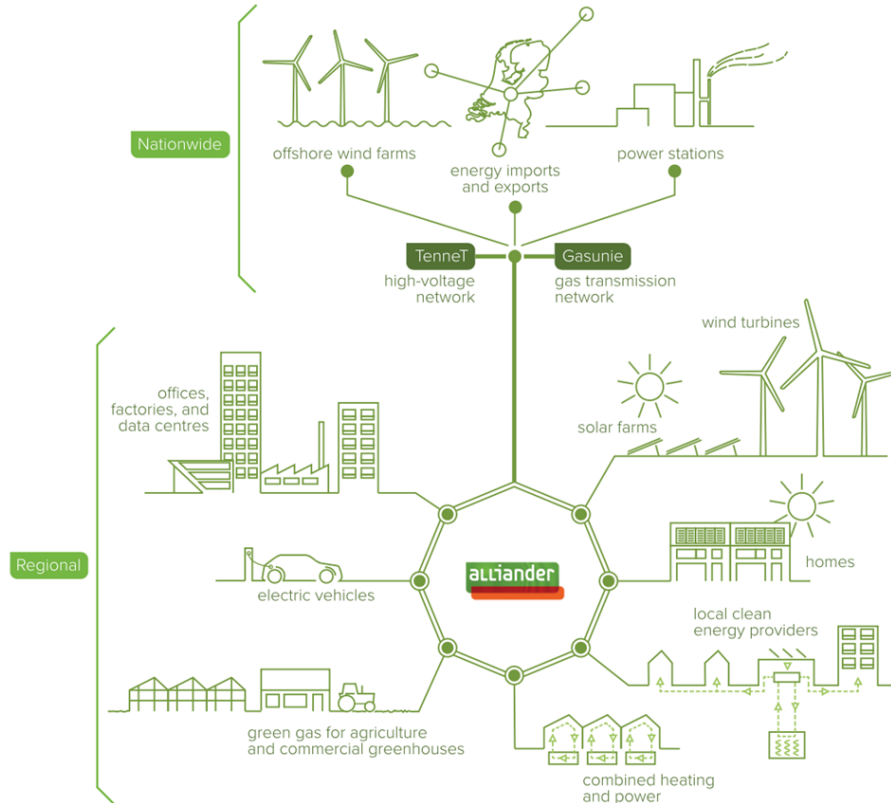
- What is a Distribution System Operator
- Why we started with the OSPO, what we do and who are in it
- Journey of Alliander's OSPO
- What we have learned



Key challenges of a Distribution system operator

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OSPO
CON
EUROPE



Why we started an OSPO

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Co-creation is a key theme in Allianters digitization strategy

Alliander joining **OLF ENERGY** & Open Source bootcamp

Why we started an OSPO

A first version of Alliander open source strategy published

Increased need for a group of people with the know-how to operationalize the open source strategy

The activities of the OSPO

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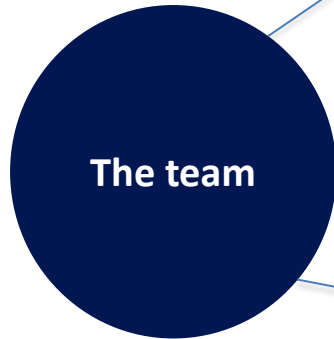


- **Centre of knowledge** of open source & innersource within Alliander;
- Responsible for Alliander's **open source strategy**;
- Together with the Enterprise Architecture team, advising on the strategic merit of:
 - Where to **use** open source solutions;
 - Which open source projects to **participate** in;
 - Which internal projects to **actively open source and maintain**;
- Enabling **cocreation** of open source software through collaboration with open source bodies;
- **Promoting** the use and awareness of open source & innersource software;
- Addressing the **risks and importance of compliance** within open source software;
- Enabling **community meetings** if and where possible



Who are in the OSPO

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The core team:

- 1x Manager OSPO
- 1x Community manager
- 2x Architects
- 1x Enterprise Architect
- 2x Business managers
- 1x IT manager



Bi-weekly

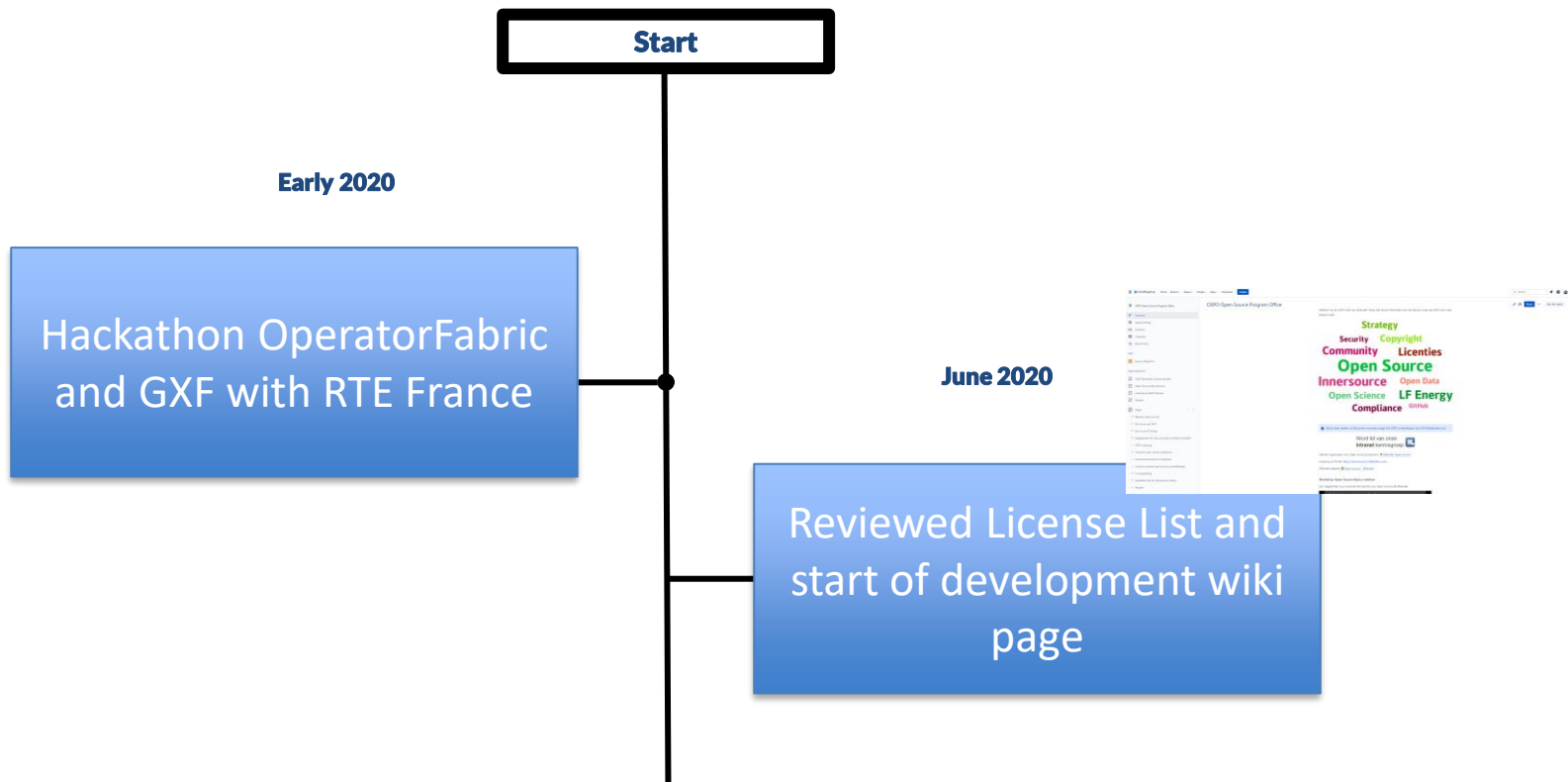
The expert team:

- 2x IT architects
- 1x Data Architect
- 1x Security specialist
- 1x Legal counsel
- 1x Communication & marketing counsel



If needed



Journey of Alliander's OSPO



September 2020

Open Source best practices
on the wiki

SPACE SHORTCUTS

-  OSPO Reviewed License checklist
-  Open Source best practices

November 2020

Open source webinar for
Alliander colleagues



December 2020

Webinar on
OperatorFabric, organized
with RTE and LF Energy

<https://www.youtube.com/watch?v=LB6NwITZ6r8&t=2s>

Accelerate your transformation to
System Operations with OperatorFabric

Webinar 2 December 2020



Nu COVID-19 de wereld in zijn greep heeft en (bijna) iedereen verantwoordelijk is tot
 #samenwerken, is het soms goed idee om na te denken over hoe we samenwerken.
 Binnen de OSPO is er al veel gesproken over wat open source kan brengen voor

- Hergebruik van code in de
 Developers van elk team is
 toegestaan, gebruiken en uit

December 2020

InnerSource Best Practices
 and InnerSource workshop

January 2021

Update of Alliander's Open
 Source Strategy



February 2021

Launch of Alliander's
 website on open source
www.alliander.com/en/open-source



Weather data: an open source of information!

A webinar on the Alliander Weather Provider API



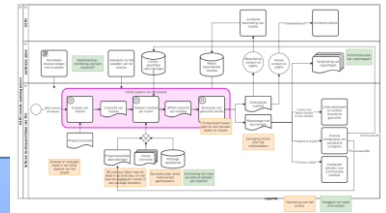
July 2021

Webinar on the Weather Provider API (accessible to people outside Alliander)

<https://www.youtube.com/watch?v=pjE0DZmSphQ&t=5s>

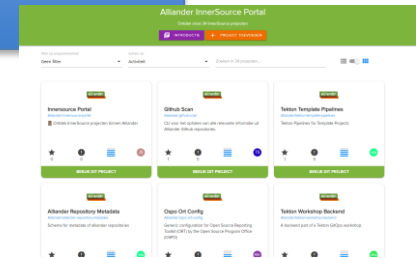
Automating Open Source License checking process

April 2021



Launch of Alliander's Innersource Portal

August 2021



Projects *Short Term Forecasting* and *Shapeshifter* join LF Energy and become open source

Now

What our colleagues are saying

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“

We see open source as a means to reduce cost, share knowledge, create quality and obtain standardization. The OSPO has become a mature, recognizable authority on open source within Alliander, concerning itself with everything to do with open source, from licenses, best practices, to the open source mindset.

”

Arjan Stam

Director System Operations

“

The OSPO's strength is to make sure that we continue to contribute to the open-source software we use, and they ensure that the various teams within the company are challenged to continue doing so

”

Floris van der Meulen

Project OperatorFabric

“

Our OSPO helps us with building our Open Source capability. This creates overview of our Open Source initiatives and makes sharing knowledge easier.

”

Tim Vermeulen

Manager Vision & Architecture IT

What we've learned

- "Perfect is the enemy of good"
 - You don't need to have 20+ page business plan with very detailed multiyear roadmap
 - But you should have
 - 'Business sponsorship' from high level management
 - An enthusiast group of people who have a passion for open source
 - Courage to just start
 - And what helps along the way is
 - 'Ambassadors' in various parts of the organization
 - Knowledge center with Open Source best practices, what to do when starting an Open Source project, Open Source reviewed License list, etc.;
 - Communication, communication and more communication
 - And you should be aware
 - Open source is also about culture change
 - Building awareness and identity takes time – be patient!

Business sponsorship, enthusiasm and going for it!



Questions?

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Check out our website @ alliander.com/en/open-source/



Visit our Github community @ [Github.com/alliander-opensource](https://github.com/alliander-opensource)



Learn more about **LFENERGY** @ lfenergy.org/



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