

Self-service Advanced Analytics for OSIssoft Cloud Services

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OSIsoft ISV & OEM partner

Self-Service Industrial Analytics

Put the power of data
in the hands of many

Used by
50% of top
50 chemical
companies!



 **software** AG
Freedom as a Service

 **TrendMiner**
A SOFTWARE AG COMPANY



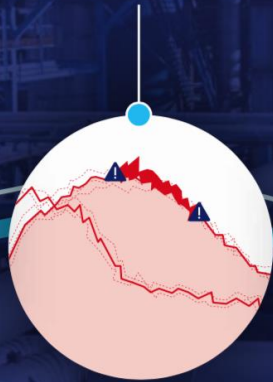
What you can do with TrendMiner:

Visualize



for operational
story telling

Analyze



to find
root causes fast

Monitor



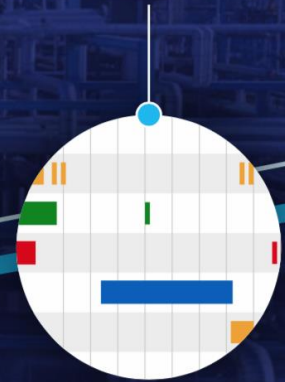
to get
early warnings

Predict



what's likely
to happen

Contextualize



to continuously
improve
performance

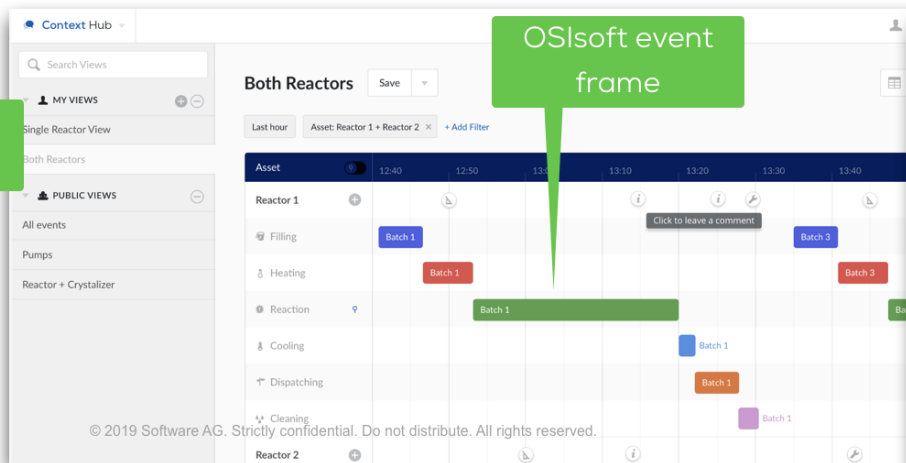


Search by asset or tag name

OSIsoft asset

AF template

- 1.5
- 2. Pretreatment
Primary treatment: remove suspended solids and some d...
- 3. Steam cycle make-up
Power Plant Process Flow
- 4. Condensate cycle
Power Plant Process Flow
- 5. Cooling Water
Power Plant Process Flow
- 6. Waste treatment
Power Plant Process Flow
- 6n. Nuclear Waste Streams
Power Plant Process Flow
- 7. Flue gas desulfurization blowdown
Power Plant Process Flow



Comment thread

Context Item: BC-234

Information Comments Attachments Changelog

RA @Joe_Trendminer Could you check the asset in person?
Rob Azevedo - 10 minutes ago

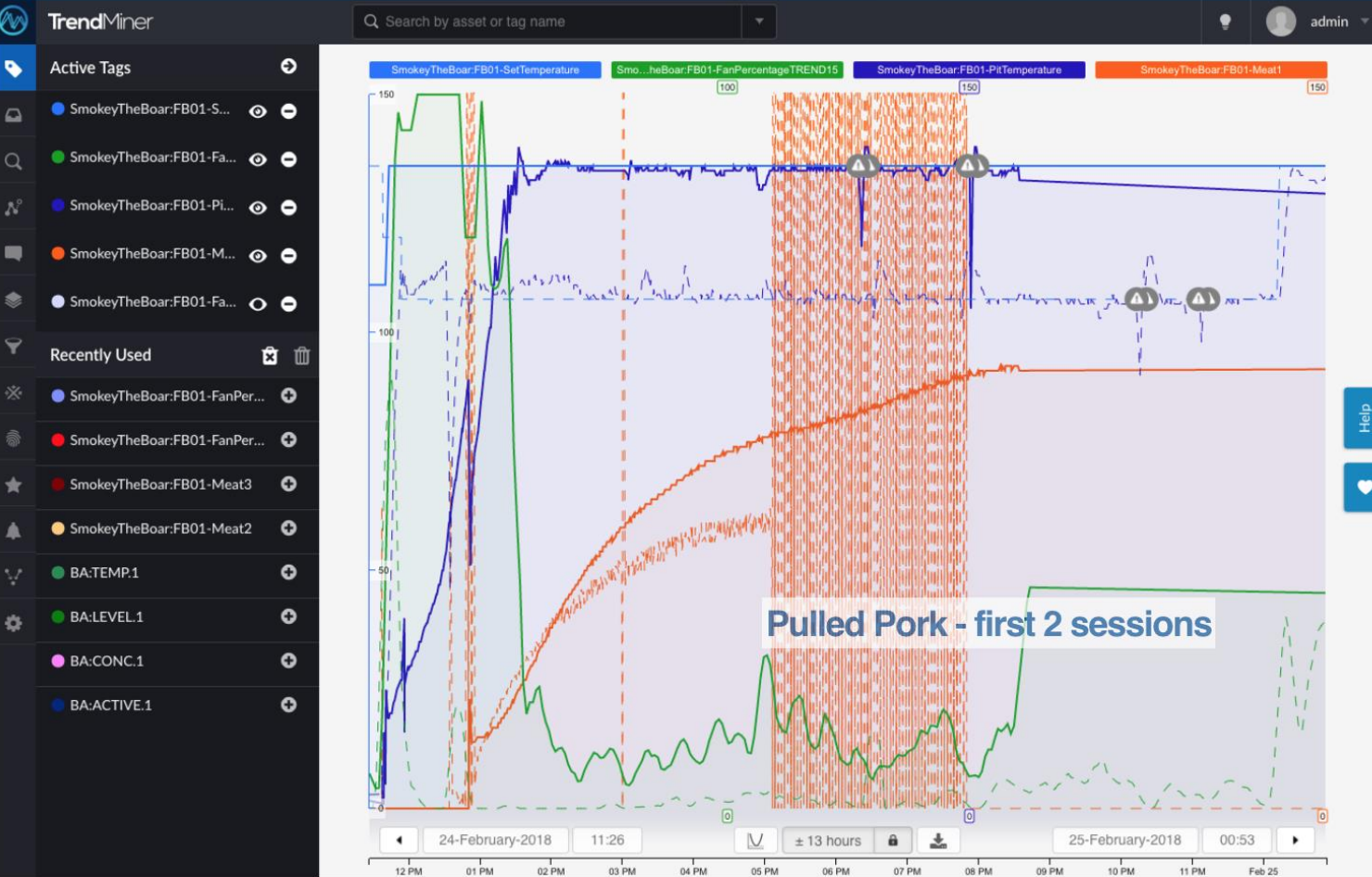
Yeah sure, will go and check it out now.
You - 4 minutes ago

TD @Joe_Trendminer I just went there. Everything running smoothly!
Thomas Dholander - Less than a minute ago



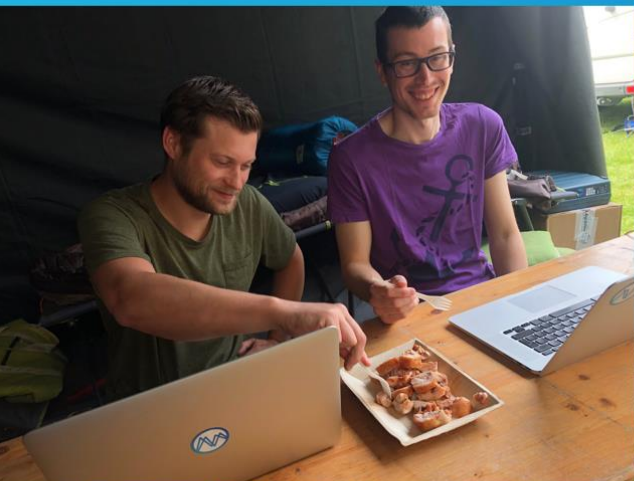
TrendMiner - OSIsoft integration

- Make timeseries data analytics ready **PI archive**
- Use PI AF structure directly in TrendMiner + Cross asset search **Asset framework**
- Visualise event frames as sequence diagrams **Event frames**
- Data enablement (Multiple PI/ Companies) **OSI Cloud Services**
- Open trends from PI processbook and PI vision **Processbook & pi vision**



Hackaton #Smokey

Featuring OS/soft Cloud Services



Introduction OCS

... Full SaaS – highly scalable!

At the Edge

Collecting more data from more sources

Sensors



Millions of Smart Devices

Assets



Multiple Sensors

Plant



Multiple Assets

Enterprise



Multiple Plants

Community



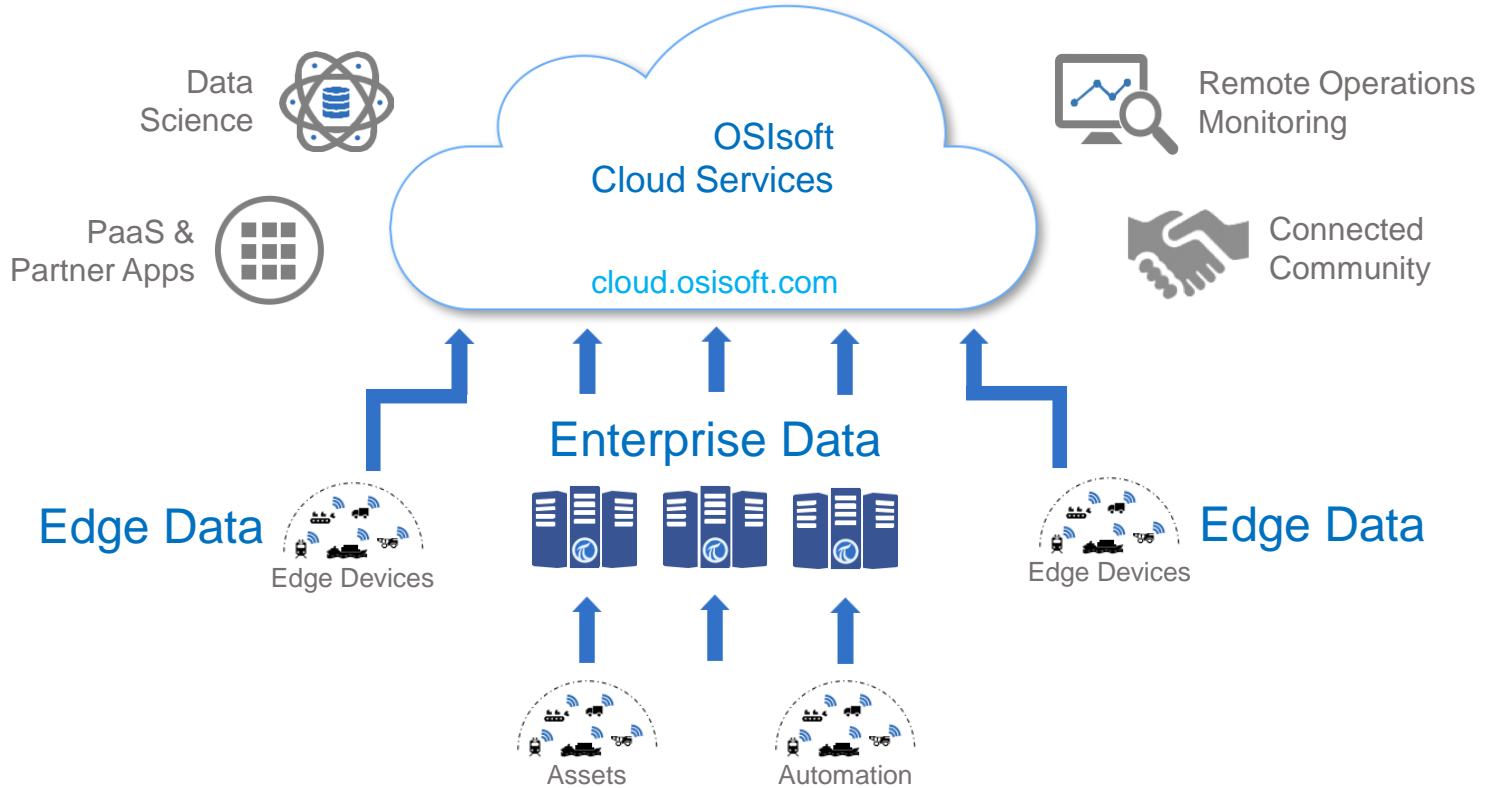
Multiple Enterprises

← Pervasive Data Collection (PDC) →

← OSIsoft Cloud Services →

← PI System →

Unlocking your Data with OCS

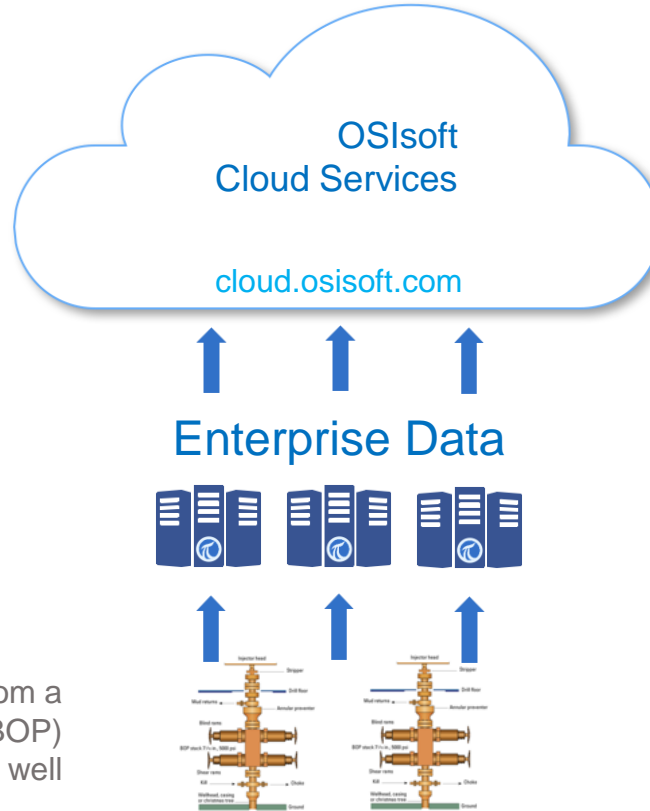


Example Use Case - Objectives

Access to Remote Operations data

Expose data back to the different Oilfield Service (OFS) companies as well as to Exploration & Production (E&P) companies

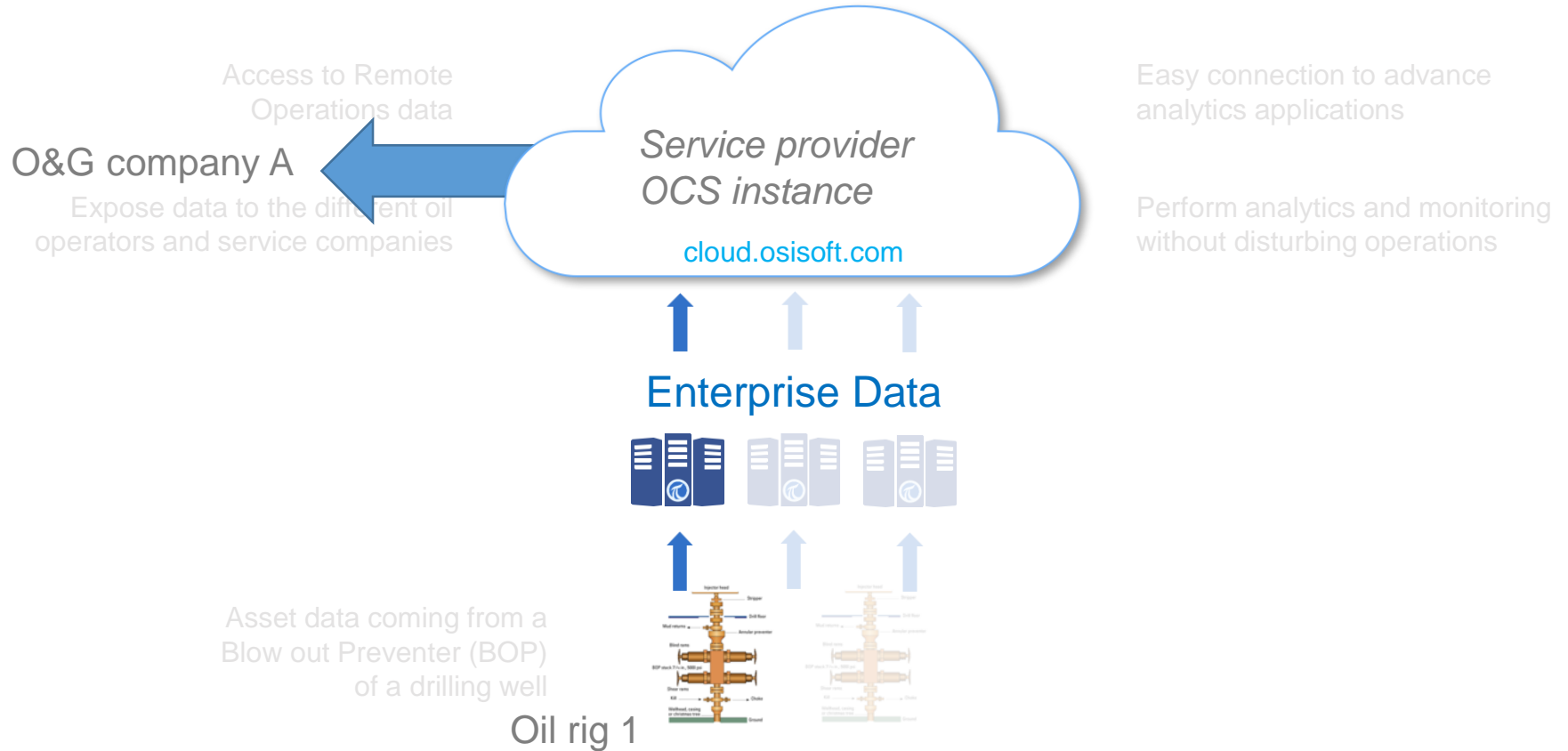
Asset data coming from a Blow out Preventer (BOP) of a drilling well



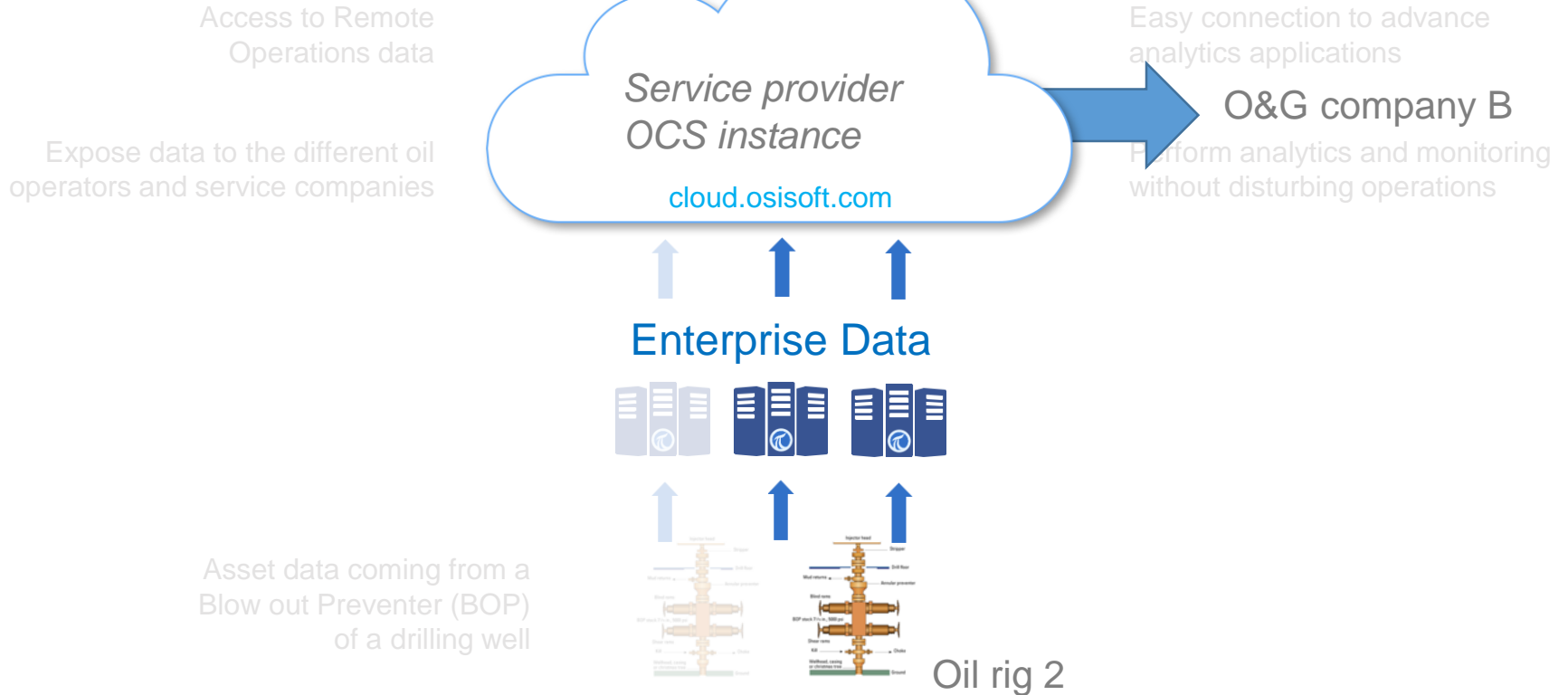
Easy connection to advance analytics applications

Perform analytics and monitoring without disturbing operations

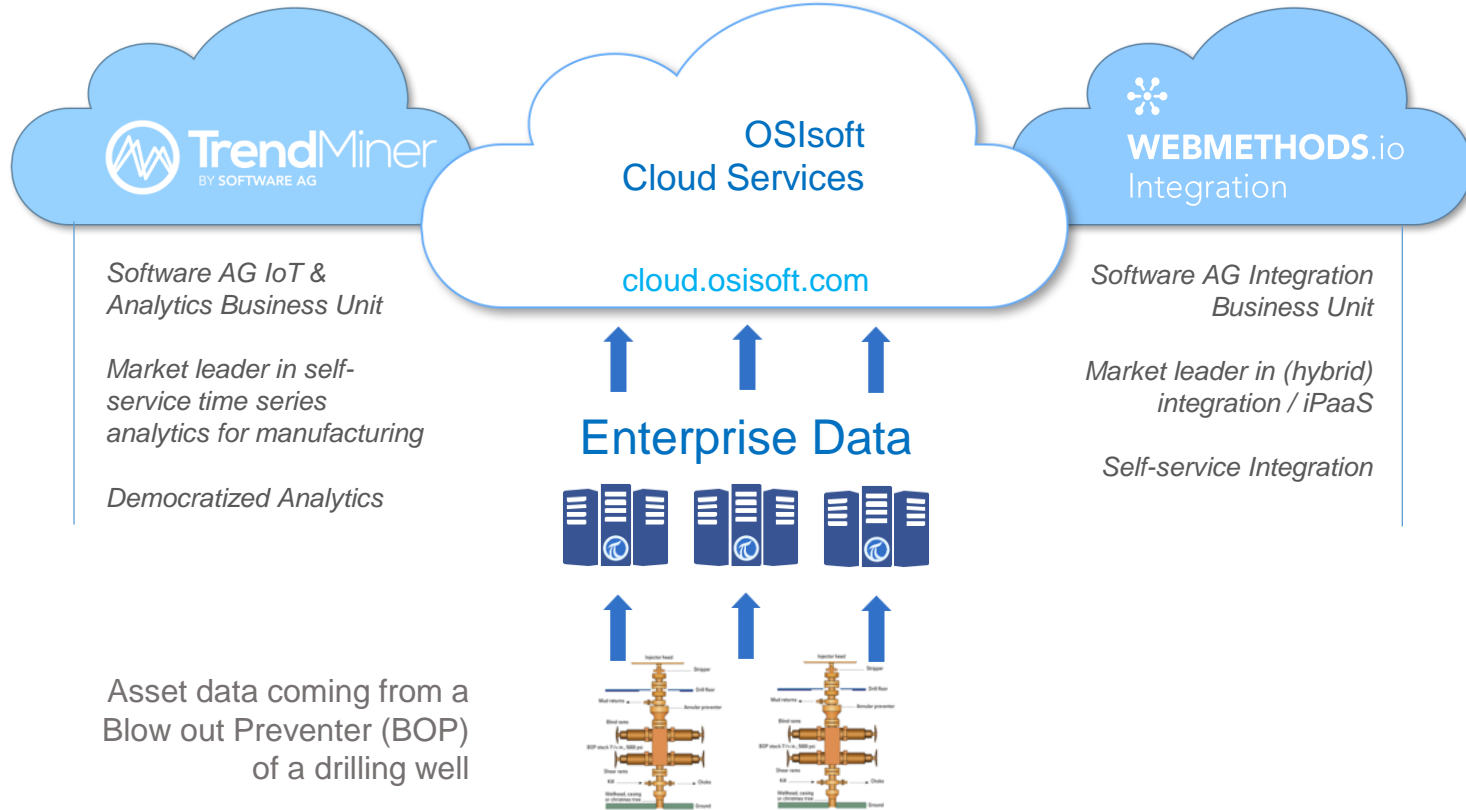
Example Use Case - Objectives



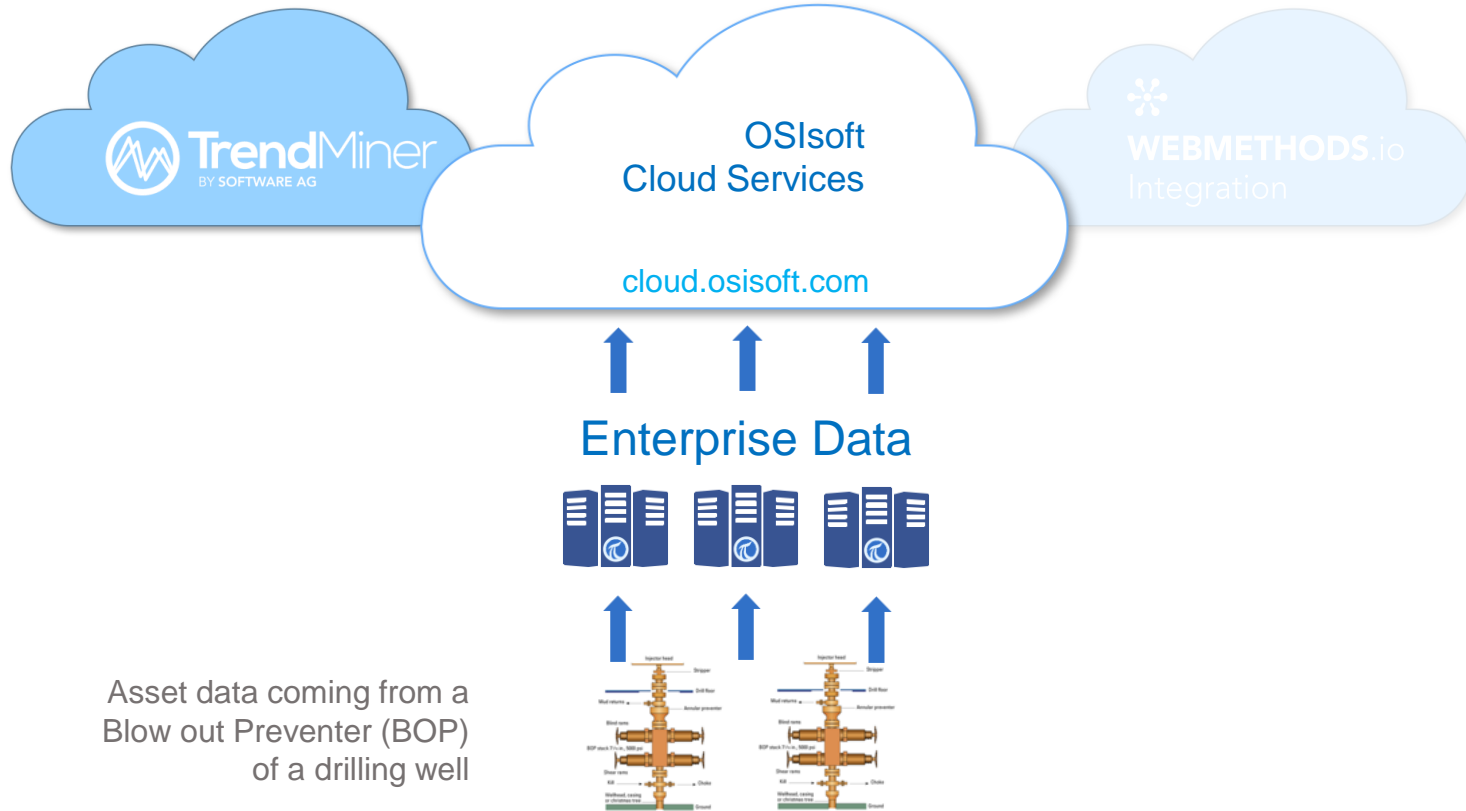
Example Use Case - Objectives



Software AG Solutions for OCS



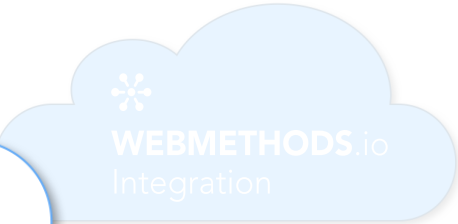
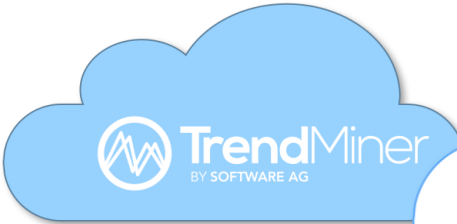
EDGE → OCS → TRENDMINER



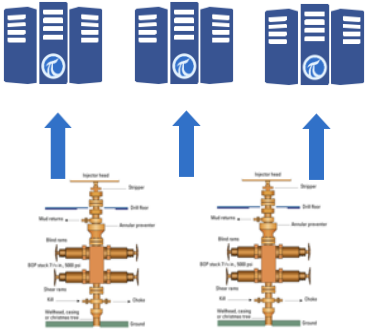
Asset data coming from a Blow out Preventer (BOP) of a drilling well

DEMO

Software AG Solutions for OCS



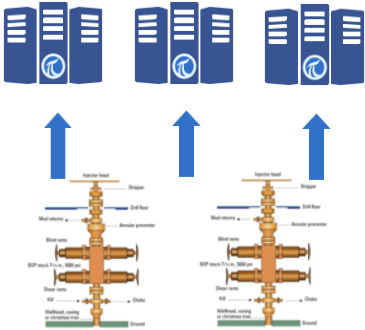
Enterprise Data



Software AG Solutions for OCS

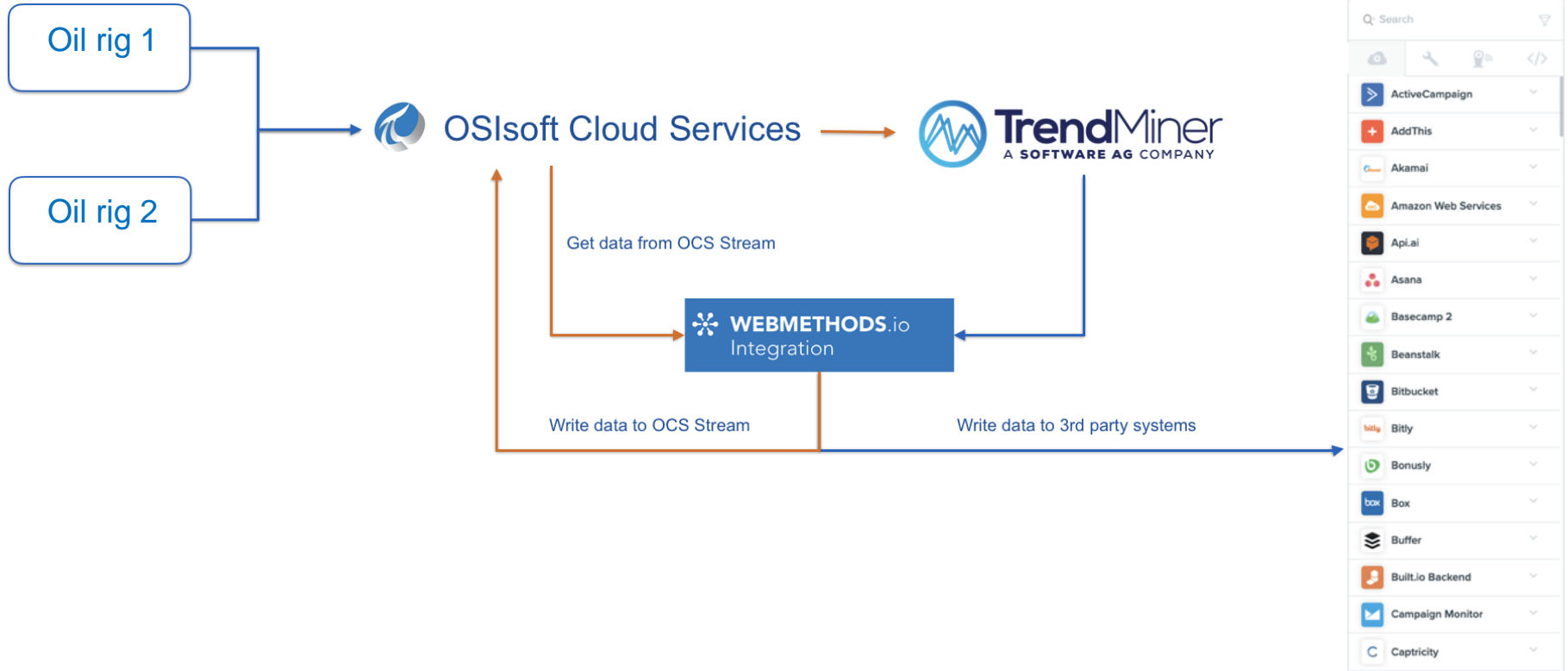


Enterprise Data



DEMO

Demo Summary



Example Use Case - Objectives



PI archive to OCS connections

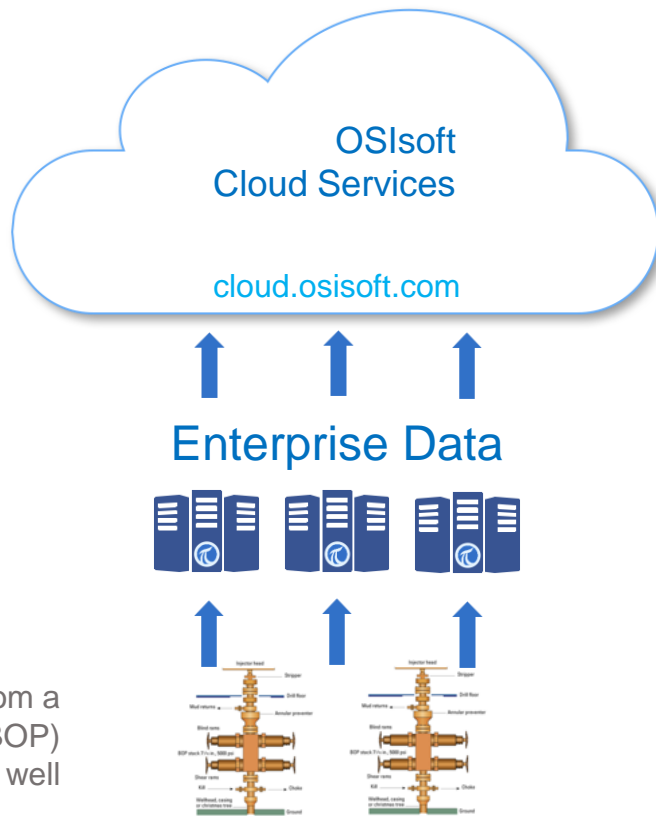
Access to Remote Operations data

Expose data back to the different Oilfield Service (OFS) companies as well as to Exploration & Production (E&P) companies

Share dashboards with users / groups from consuming companies

Write back to OCS to share status with E&P and OFS companies.

Asset data coming from a Blow out Preventer (BOP) of a drilling well



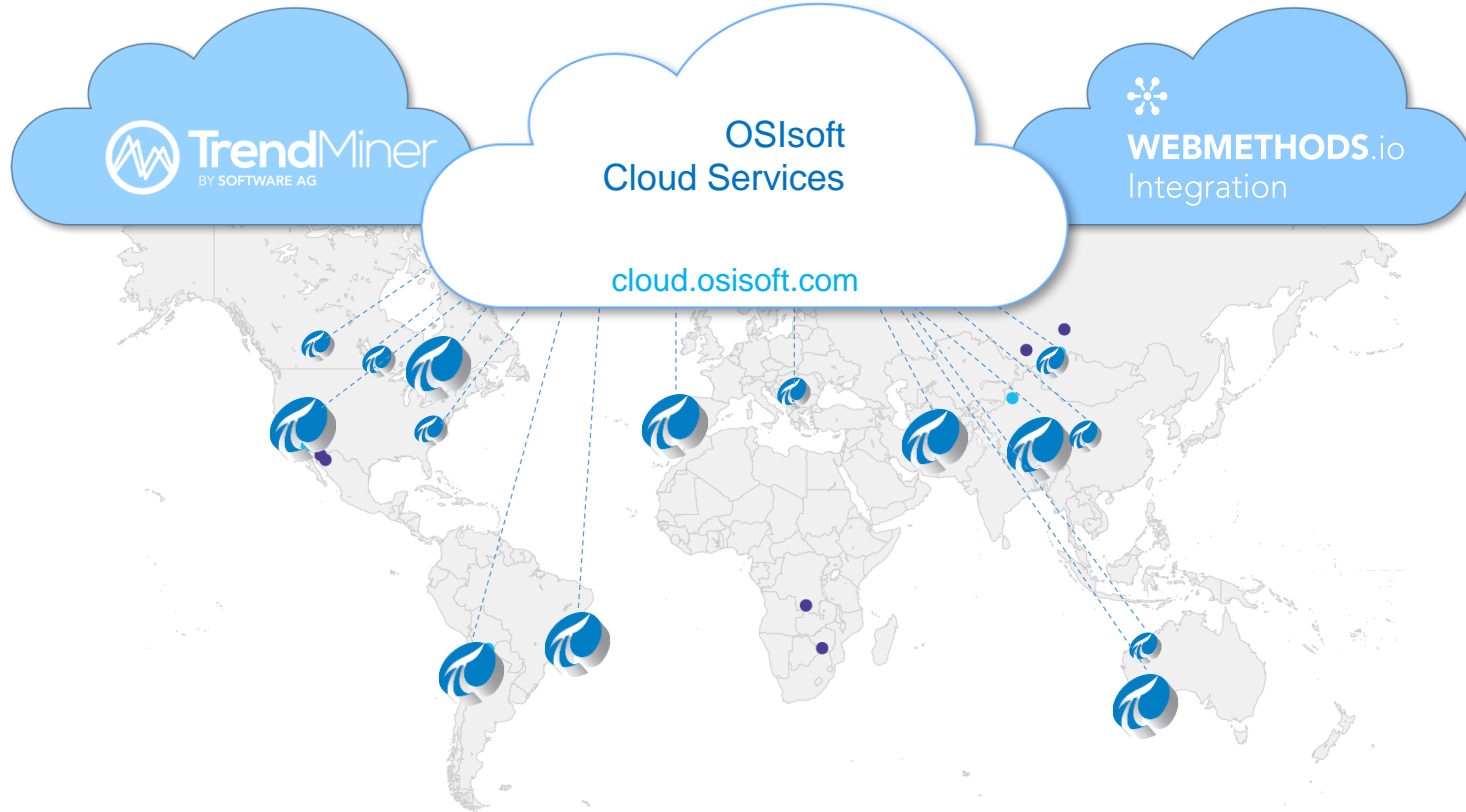
OCS connector for TrendMiner

Easy connection to advance analytics applications

Perform analytics and monitoring without disturbing operations

TrendMiner fingerprint based performance monitoring

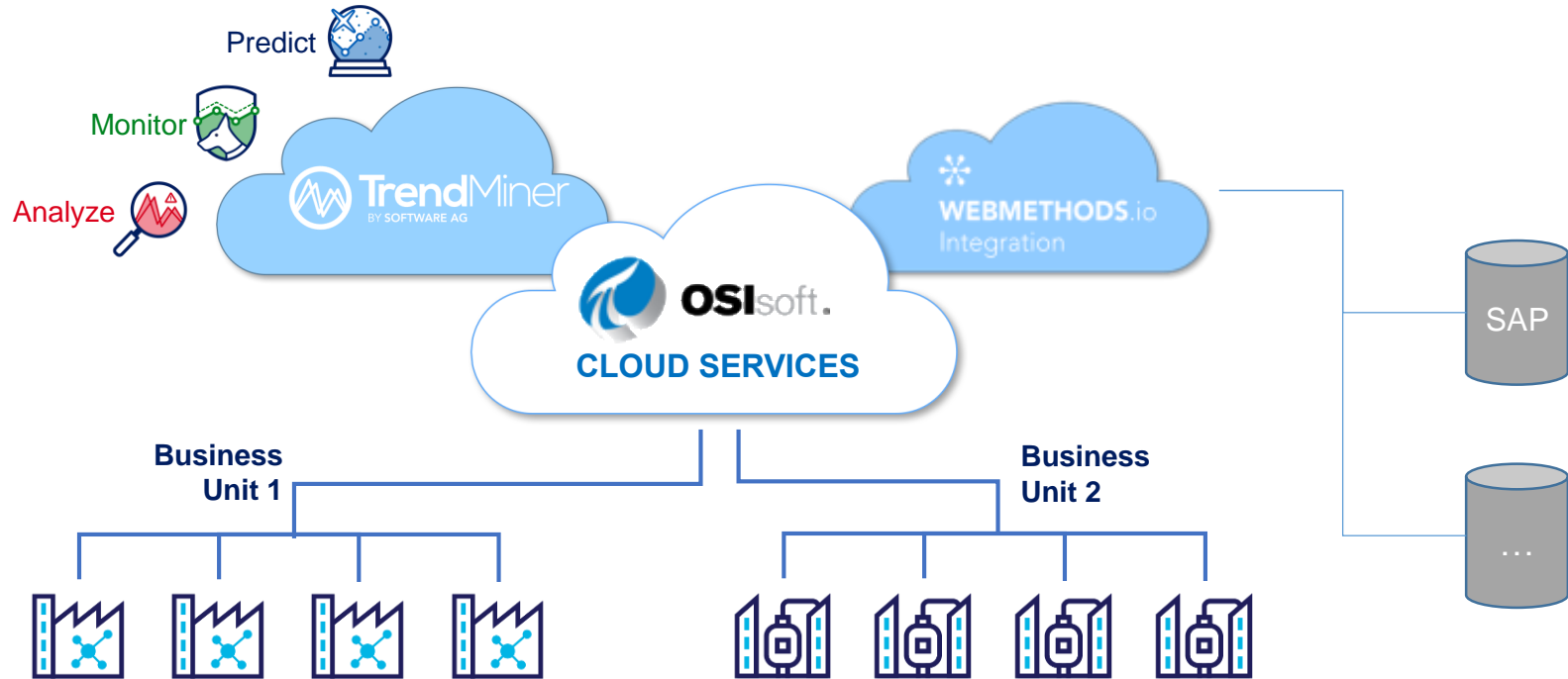
Potential Use Case - Mining



Potential Use Case – Equipments



Potential Use Case - Central group



Democratization
of analytics



Data-
driven
decisions
at scale



Democratization
of data

Turning data into value

*“Data in the hands of the
many creates competitive
advantage.”*

*The more **accessible** your
insights are to **business
users**, the more enterprise-
wide value you can get out
of them”*

Questions?

Please wait for
the **microphone**

State your
name & company



Please remember to...

Complete the Survey!

Navigate to this session in
the mobile app for survey

TO DOWNLOAD
APP, SEARCH
OSISOFT



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 HVALA FAAFETAI
 GO RAIBH MAITH AGAT ESKERRIK ASKO
 БЛАГОДАРЯ GRACIAS MAHADSANID HVALA ХВАЛА ВАМ
 ТИ БЛАГОДАРАМ TEŞEKKÜR EDERIM
 TAK DANKE DANK JE EΥΧΑΡΙΣΤΩ GRATIAS TIBI GRAZIE
 АČIŪ SALAMAT MAHALO IĀ 'ŌE TAKK SKALDU HA ДЗЯКУЙ DI OU MÈSI
 RAHMAT MERCI HATUR NUHUN GRAZZI ПАККА ПĒR PAXMAT САГА FАLEMINDERIT ありがとうございます ŏAKUJEM
 SIPAS JI WERE TERIMA KASIH MATUR NUWUN
 CẢM ƠN BẠN UA TSAUG RAU KOJ
 WAZVIITA ТИ БЛАГОДАРАМ СИПОС

