

OIE OGI Planning pilot

International co-operation to demonstrate interoperability of schedules

This project is relevant for everyone doing planning

Planning is planning is planning

- **The ILAP standard is relevant for everyone who do planning**
- **The standard is based on the common planning theory, we all share**
- **The standard is suitable for every scheduling tool we all use**
- **We have a structure in the standard where every industry can add their terms**

What is the schedule data challenge?

Scheduling tools use different terms about the same object. An example is **people needed to execute a task**. This is named differently in scheduling tools:

Project 2013
Microsoft

Resource

ORACLE®
PRIMAVERA

Discipline can be either «**Activity code**» or as a part of the «WBS structure»

SAP®

Workcenter

This makes integration of schedules complicated and troublesome

The solution

Project 2013

Microsoft

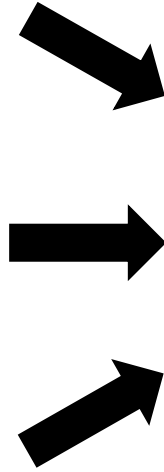
Resource

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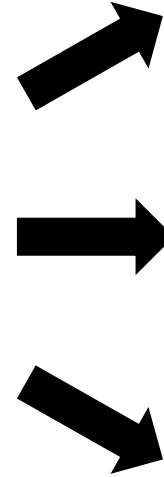
Activity code



Workcenter



Discipline: that is according to
the knowledge required to carry
out the work



Project 2013

Microsoft

Resource

ORACLE®
PRIMAVERA

Activity code



Workcenter

OGI planning pilot foundation

1. International standard (ISO15926/13) for schedule data terms is completed
2. Adapters for SAP and Safran Project are developed. Implementation started in Statoil. Primavera adapter under development
3. The project and standard is known and get more and more support



Standards-based Interoperability

- **Goal** - We ensure that schedules can be seamless transferred between all relevant scheduling systems and related systems that need schedule data

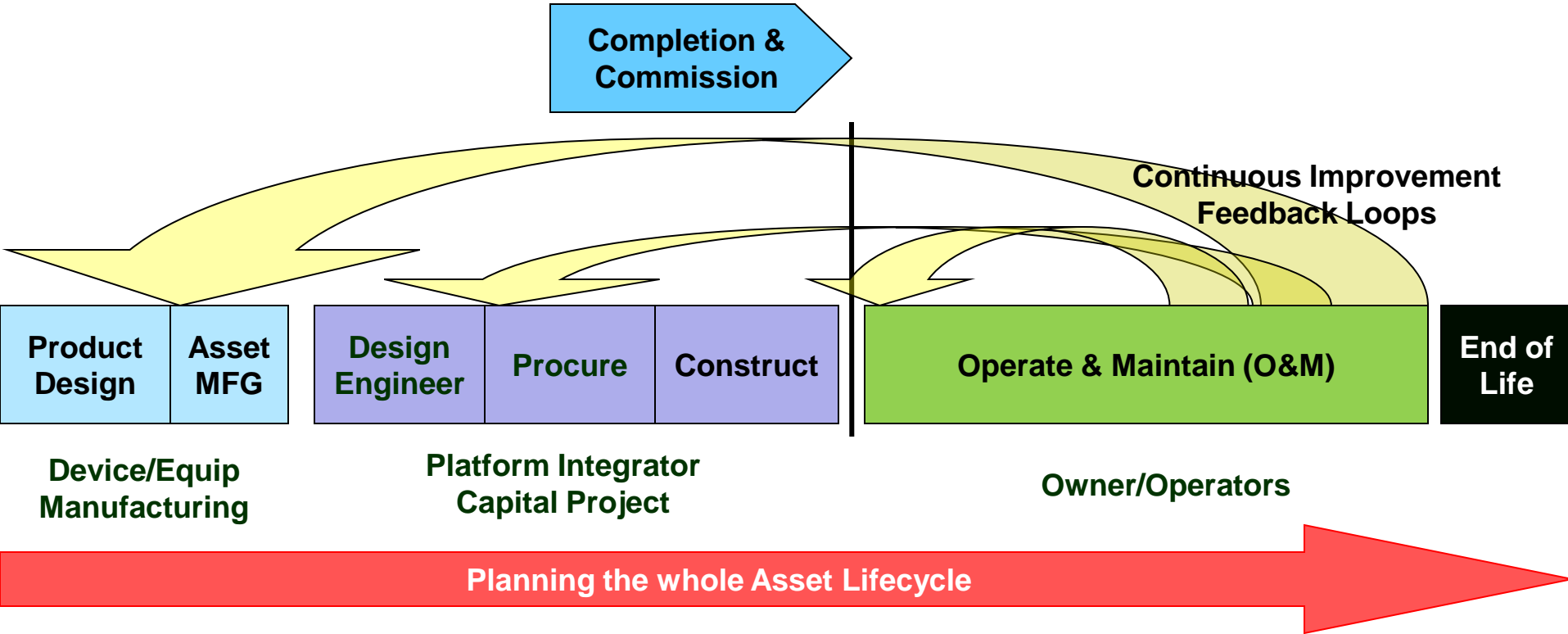
We have:

- Simplified
- Standardized
- Digitalized
- Interoperate

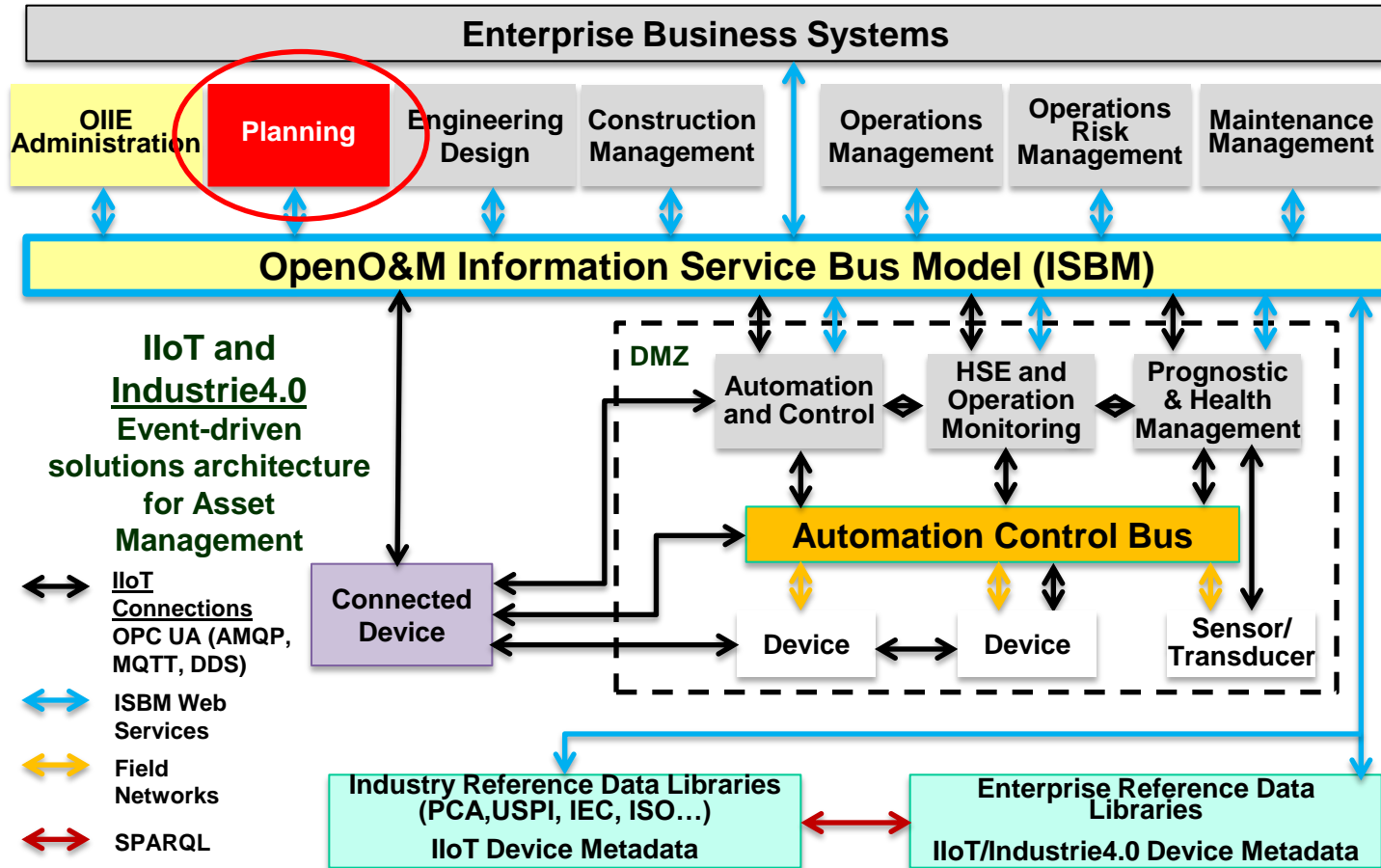


Full Asset Life-cycle Management

Physical and Digital Asset are included in OIIE



OIE Simplified Systems Connectivity and Services Architecture



OIE OGI planning pilot participants



We pay at least double – for less quality!

High value use cases



1.  Safran

Contractor establish
schedule

 ILAP

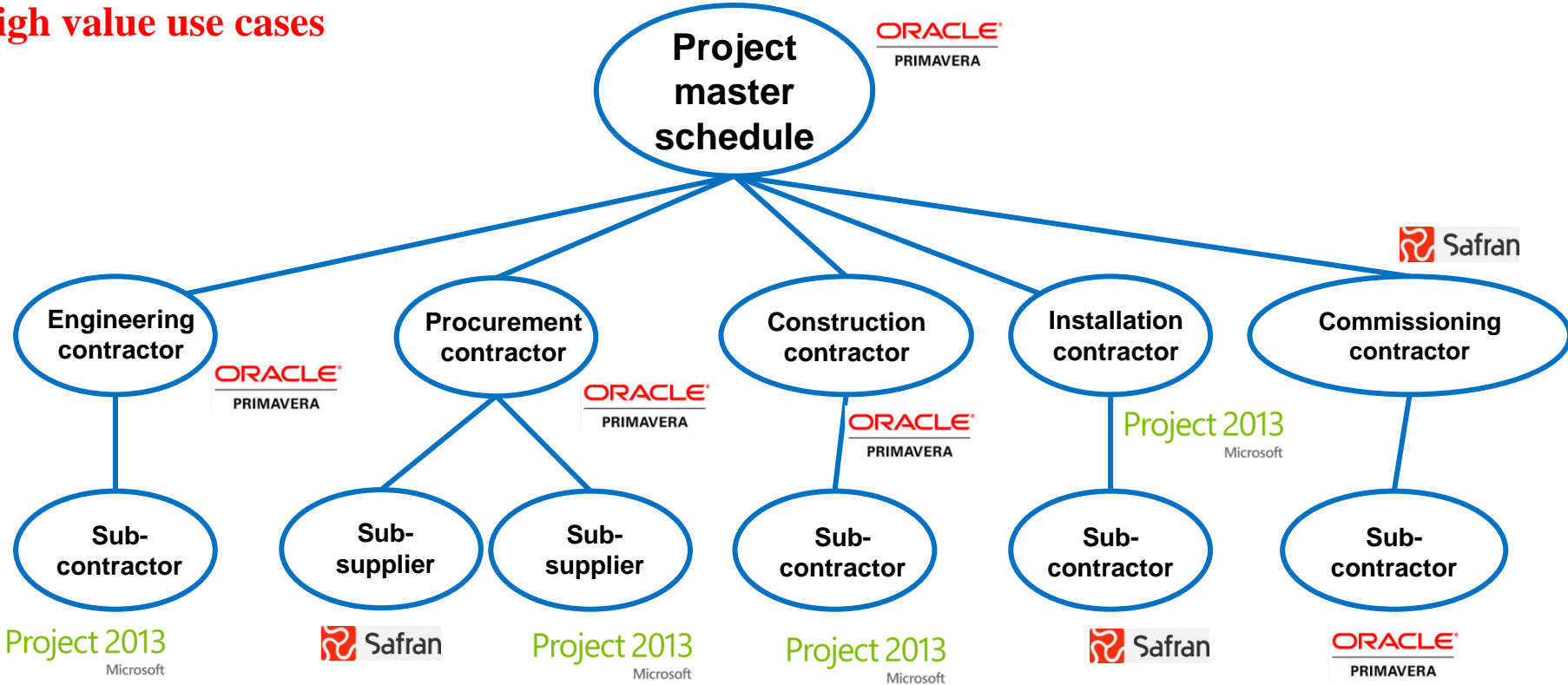
2.  SAP



SAP is automatically
updated

How to achieve project control?

High value use cases



High value use cases

1. Reduce the cost for transfer and integration of schedules
2. Improve quality of schedule data
3. Improve quality of the schedule
4. Improve business decisions
5. Improve risk decisions

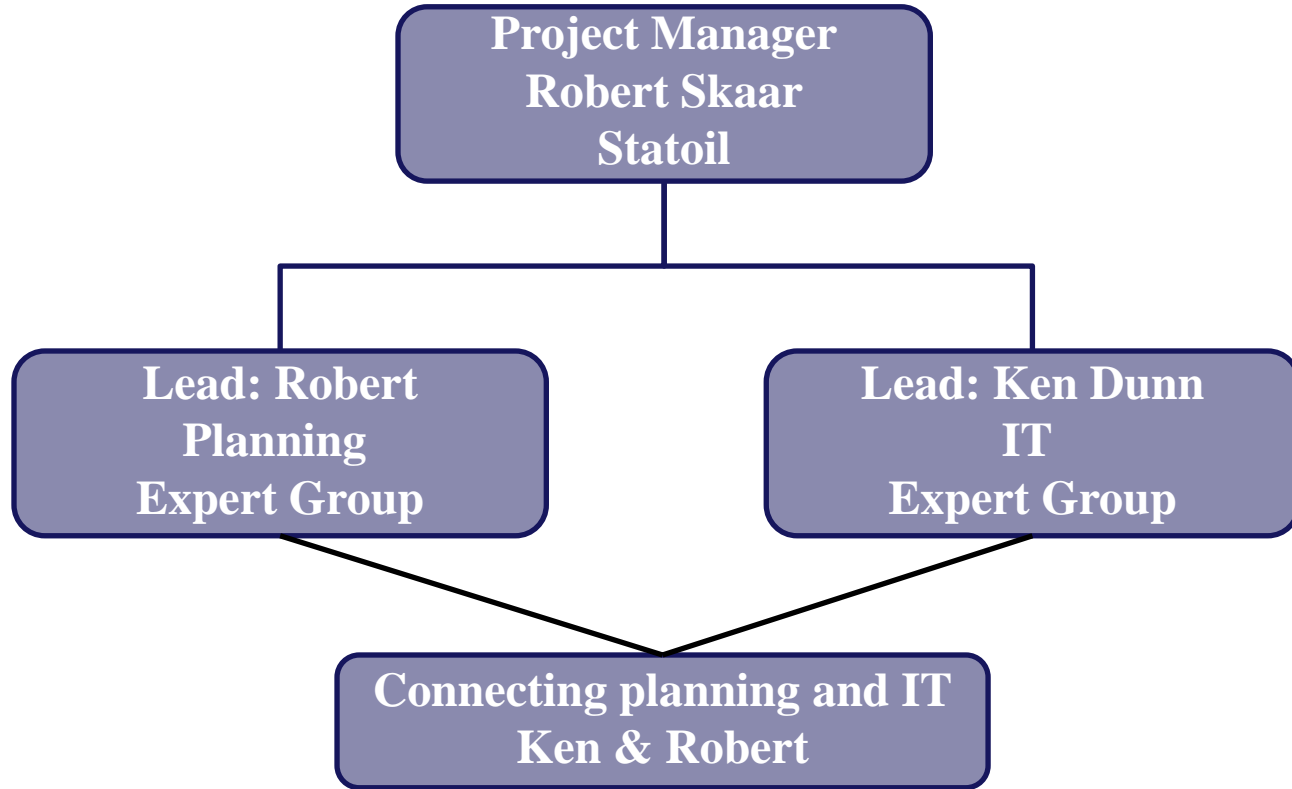


Corporate net present value is >100 million USD for a O&O implementing ILAP

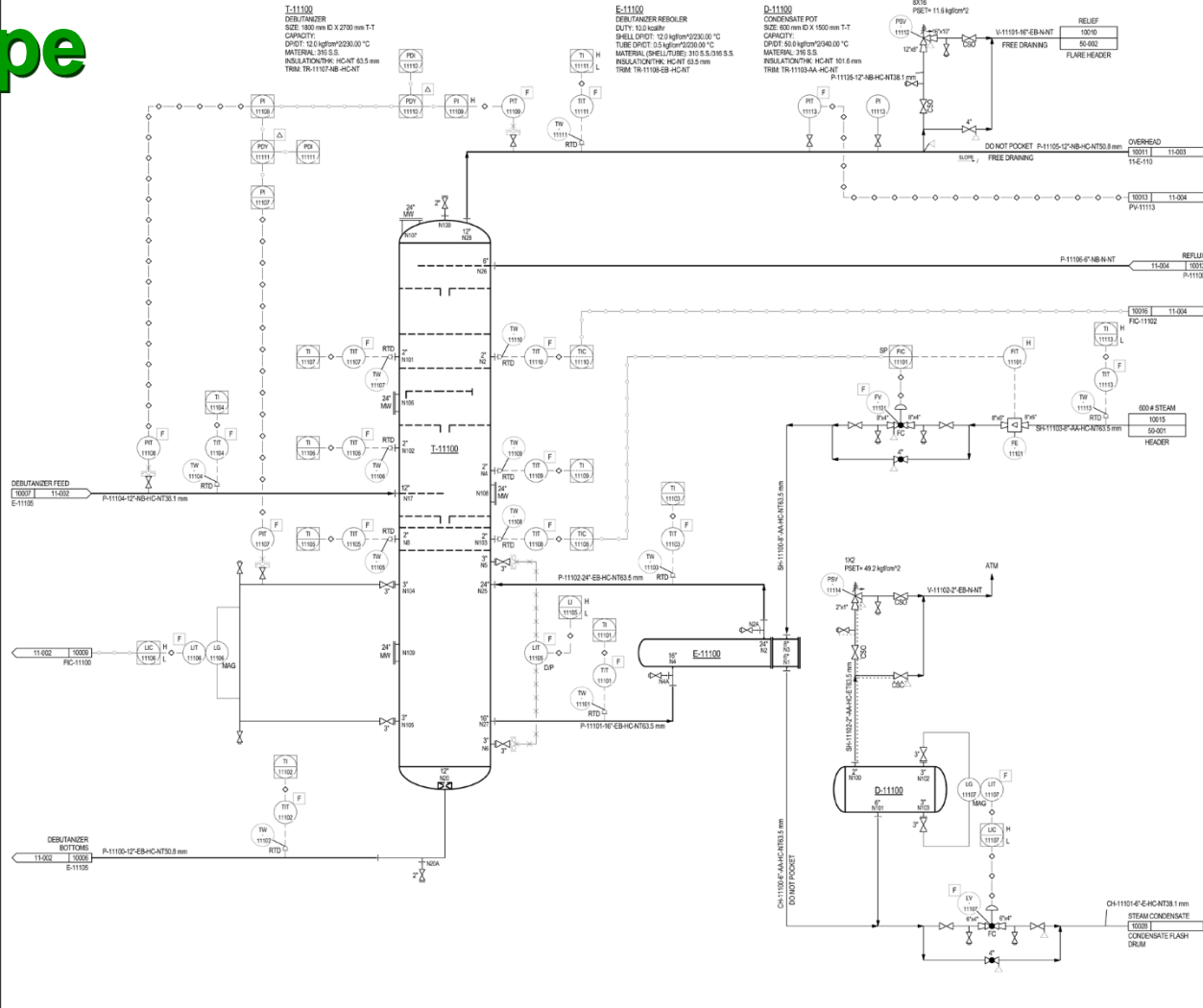
OIE OGI Planning pilot scope

- We will demonstrate automated interoperability using the MIMOSA OIE interoperability standards
- Proved by using the MIMOSA OGI pilot test bed
- International co-operation to demonstrate interoperability

How we are organized



Scope



- NOTES:**
- This drawing was prepared for MIMOSA by the OGI Pilot, see the www.MIMOSA.org site for details, stakeholders can register, participate and access the OGI Pilot data from this location.
 - For P&ID Legend Symbols and General Notes see drawing:
 - 00-01 - APPROVALS, LINE SERVICES, MISCELLANEOUS
 - 00-03 - EQUIPMENT SYMBOLS
 - 00-03 - PIPING SYMBOLS
 - 00-04 - INSTRUMENT LETTER DEFINITION CHART
 - 00-05 - INSTRUMENT SYMBOLS SHEET 1
 - 00-06 - INSTRUMENT SYMBOLS SHEET 2
 - For sample P&ID ISO 15929 data see the corresponding (JMA, flex) for this drawing.

B 12-Sep-12 ADDED PROCESS DATA
A 22-Aug-12 ISSUE FOR REVIEW
 REV: 001 002 003 004 005 006 007 008 009 010

resources & energy

The OpenO&M Initiative

CLIENT/PROJECT TITLE
WORLEYPARSONS
MIMOSA OGI Pilot - Phase 1

PROJECT NO.
PIPING AND INSTRUMENT DIAGRAM
DEBUTANIZER

SCALE
NONE

SHEET NO.
11-001

FILE NAME: 00111002.D

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The following schedule to be developed

Owner&Operator schedules:

Level 1 schedule – 1 page high level of the whole project

Level 2 schedule – 1 page of contracts in the project

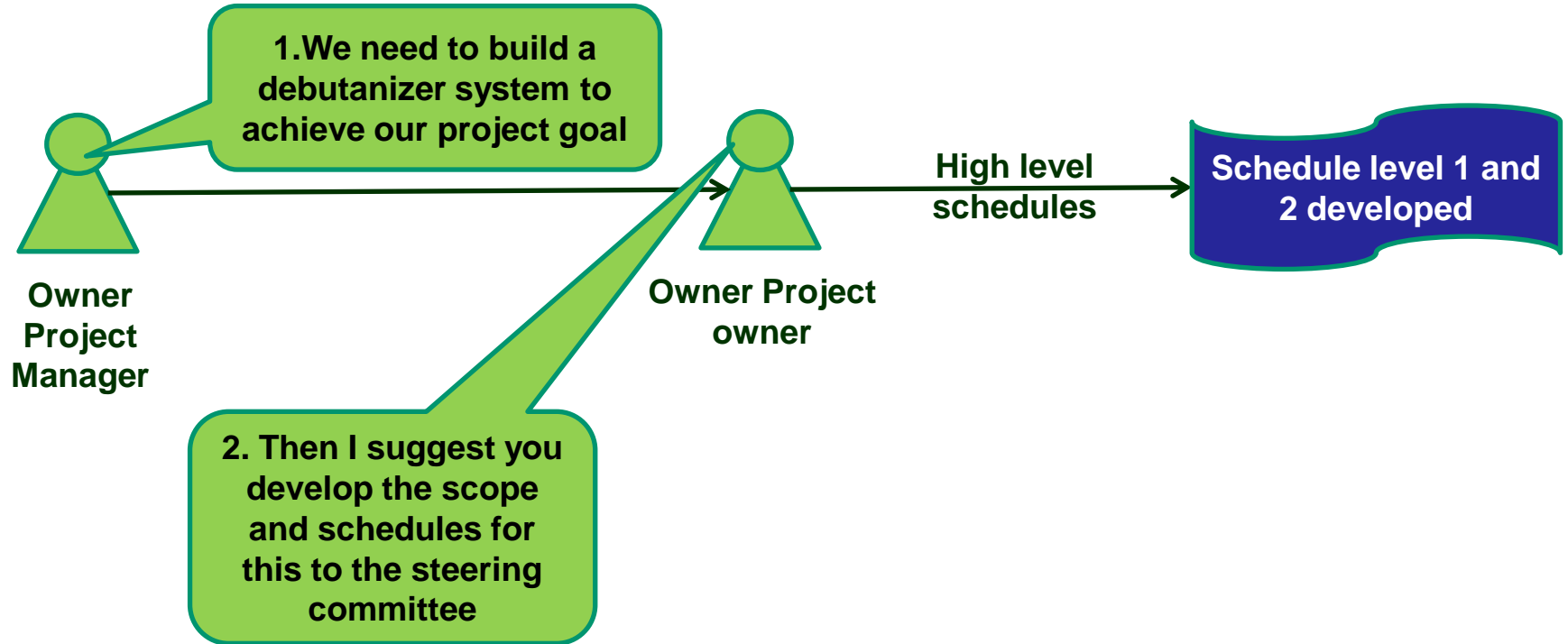
Contractor schedule:

Level 3 schedule – 1 page of contractors schedule in the project

Level 4 schedule – contractor EPCIC network schedules

Level 5 schedule – contractor EPCIC work schedules

Story P001: We need a debutanizer system



You can make a difference

The ILAP project and the OIIE OGI pilot are by the industry for the industry

Our contribution makes a difference

We invite everyone to participate in the OIIE OGI pilot

If you are interested please contact Ken or Allan for more information

**Thank you
for your time and attention**

Backup slides:

How is this done in the API

Contractor

Software mapping of terms in API

Our tool	ILAP term
Resource	Discipline

Project 2013
Microsoft

This is done by a planner

Operator

Software mapping of terms in API

ILAP term	Our tool
Discipline	Workcenter



This is done by a planner

