

SITEF / Silicone Fluid Test Facility

SITEF - Solar-Era.NET - Information and Match Making Event
Düsseldorf, 24.02.2016



Overview

1. SITEF – Facts and Project Partners
2. Project Application
3. Outlook



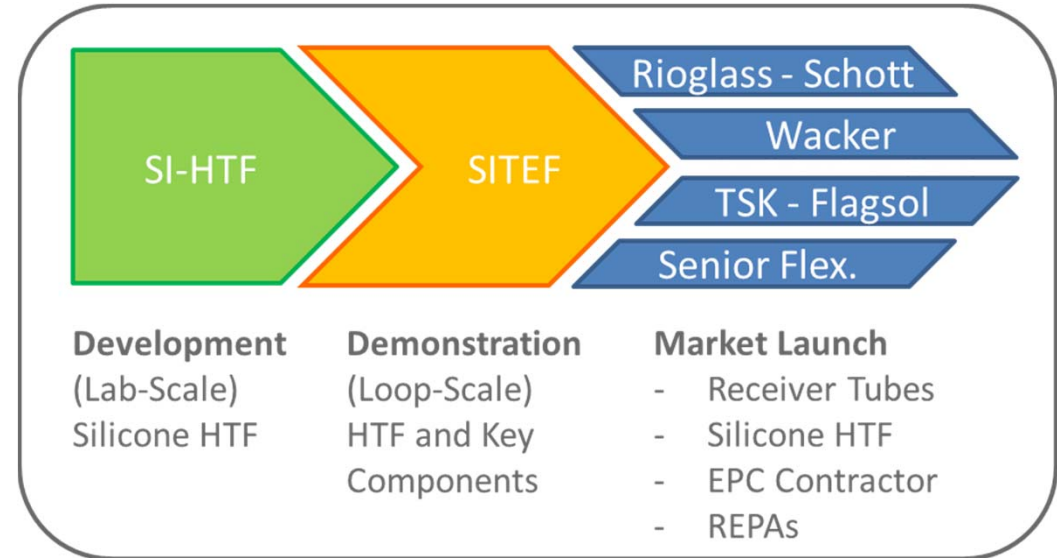
SITEF – Facts

- **German-Spanish cooperation**
- **PROMETEO test facility at PSA with HELISOL®**
 - NEW, more environmental friendly HTF ~ 430° C
- **Durability and loop scale applicability of HELISOL®**
 - Comprehensive Lab analysis – degradation
- **Functionality parabolic trough collector components at up to 450° C**
 - Receiver Tubes
 - Rotation and expansion performing assemblies
- **Economic benefit of HELISOL®**
 - technical investments / greater energy output
- **Safety concept** and (permitting process for relevant target markets)



SITEF – Partners

Exploitation



DLR (Coordinator)

HTF Lab Analysis

Ciemat

Operation and Maintenance
PREOMETEO test facility (PSA)

Wacker

HELISOL® + HTF Lab Analysis

TSK Flagsol

Engineering, EPC with HELISOL®

Senior Flexonics

REPAs

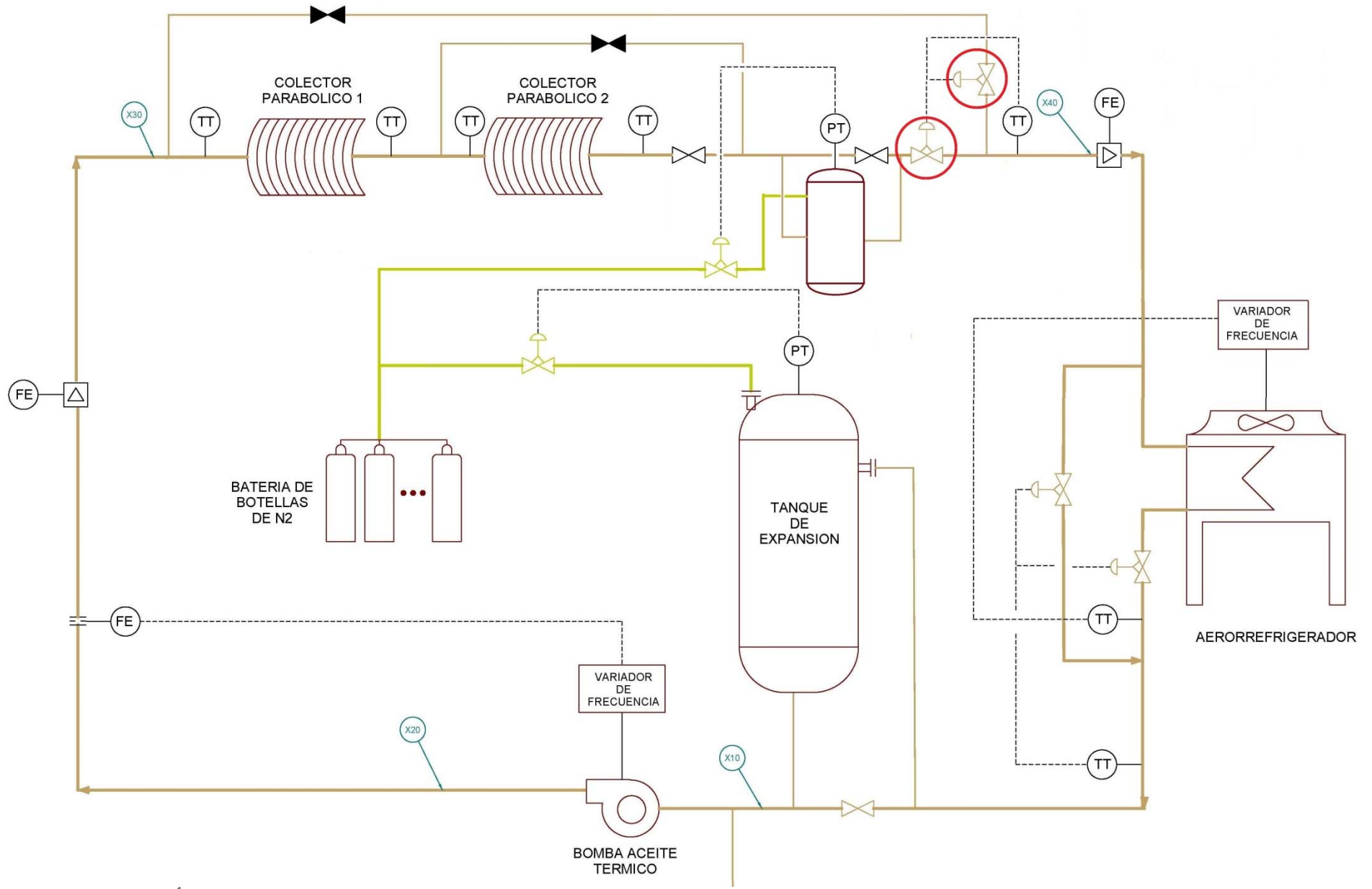
TÜV Nord

Safety

RWE (associated – pending)

Permitting process target markets

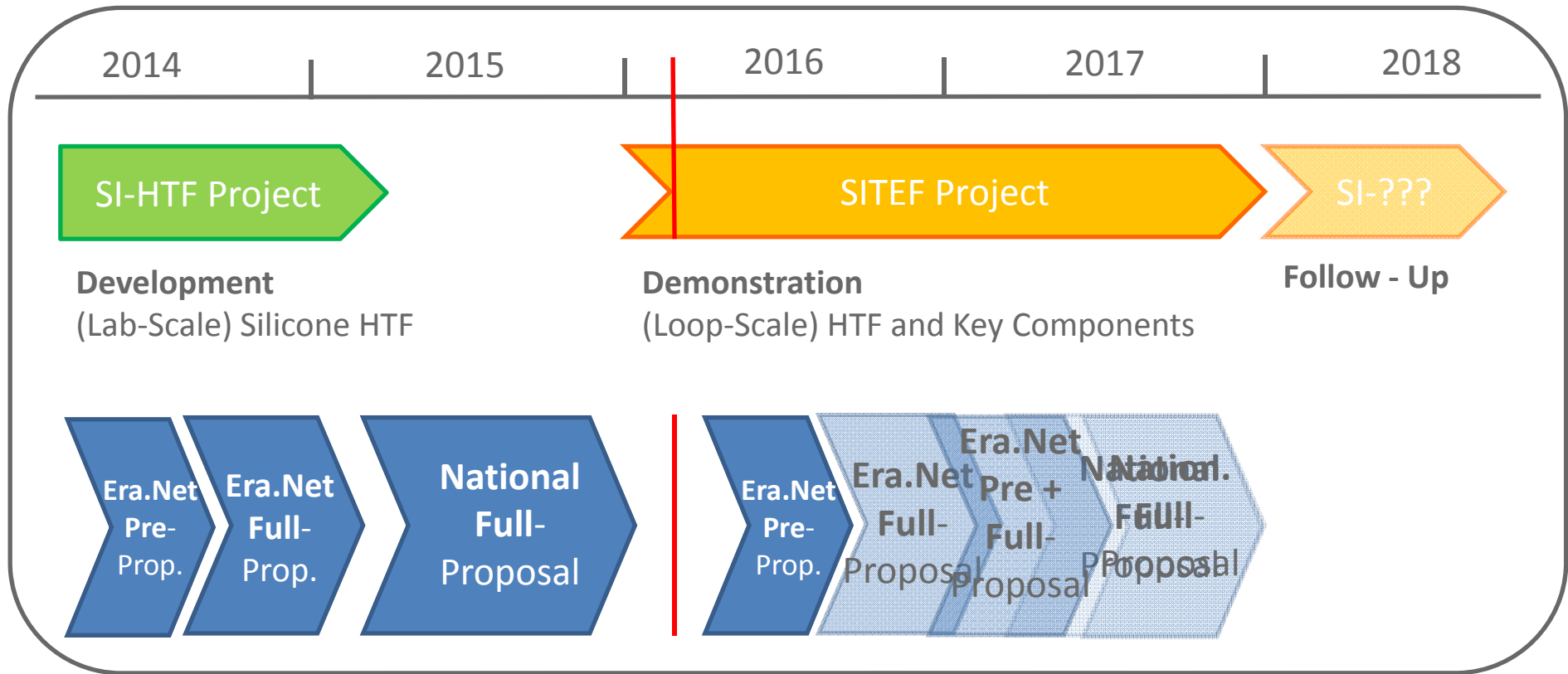




PROMETEO Facility



Project Application



Outlook

- **Application Round (Call) 2016**
 - Hydrogen Monitoring – Countermeasures

- **Application Round (Call) 2017**
 - SITEF follow-up project, using the “Silicone Fluid Test Facility”
 - Qualification of components / system(s) under realistic conditions



Thanks for your attention!

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Knowledge for Tomorrow

