



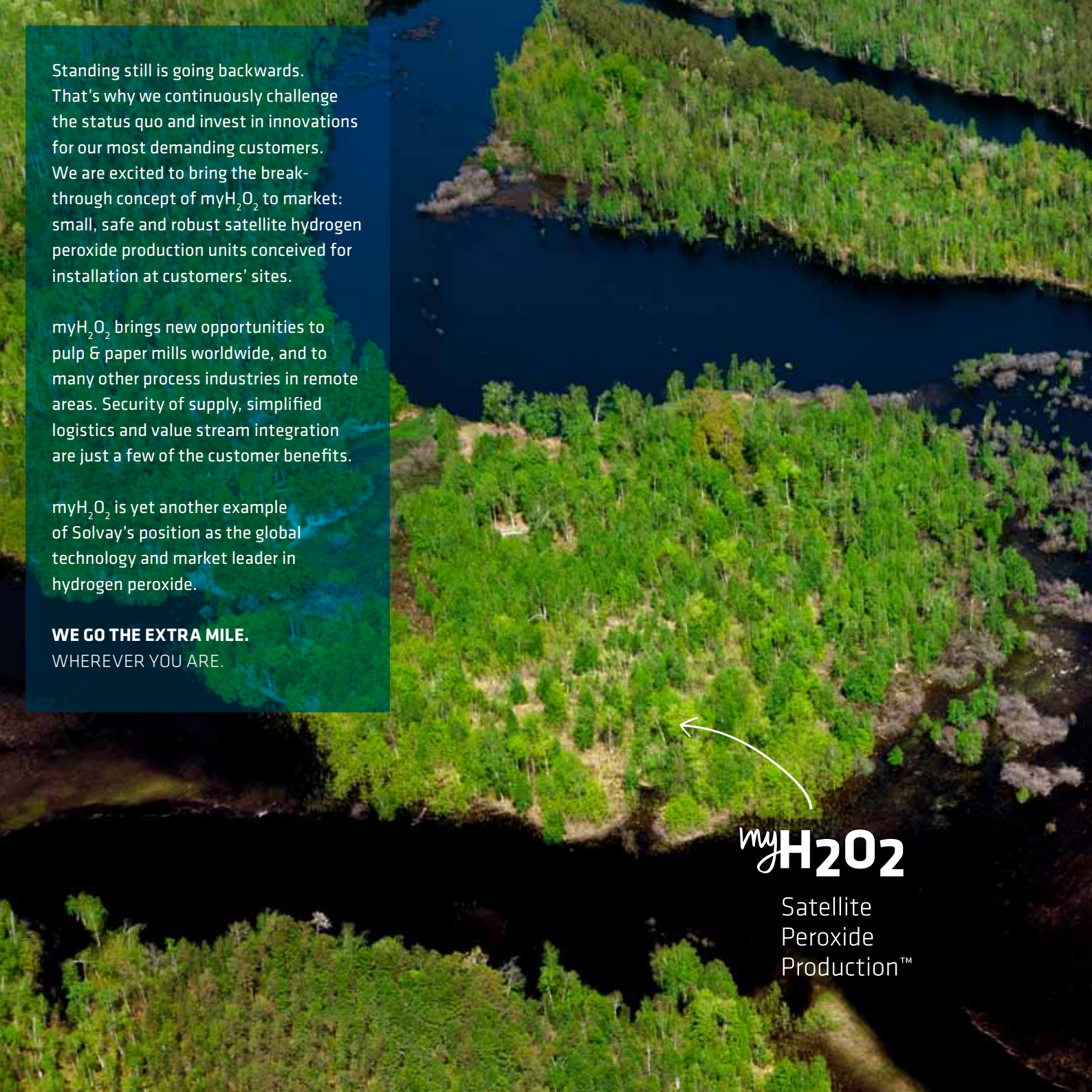
SOLVAY

asking more from chemistry®

my **H₂O₂**

Satellite
Peroxide
Production™

**WE GO THE
EXTRA MILE.
WHEREVER
YOU ARE.**



Standing still is going backwards.
That's why we continuously challenge
the status quo and invest in innovations
for our most demanding customers.
We are excited to bring the break-
through concept of myH₂O₂ to market:
small, safe and robust satellite hydrogen
peroxide production units conceived for
installation at customers' sites.

myH₂O₂ brings new opportunities to
pulp & paper mills worldwide, and to
many other process industries in remote
areas. Security of supply, simplified
logistics and value stream integration
are just a few of the customer benefits.

myH₂O₂ is yet another example
of Solvay's position as the global
technology and market leader in
hydrogen peroxide.

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WHEREVER YOU ARE.



myH₂O₂

Satellite
Peroxide
Production™



myH₂O₂

ALTERNATIVE SUPPLY CHAIN

With myH₂O₂ Satellite Peroxide Production™ units, Solvay offers an innovative solution to optimize the hydrogen peroxide supply chain for large customers.

In a standard supply chain situation, hydrogen peroxide - produced at a Solvay site - is concentrated, transported and re-diluted before use at customers' facilities.

In order to better support our customers' businesses, Solvay has thoroughly investigated many alternatives to improve upon the standard hydrogen peroxide supply chain, especially for large customers in remote locations: alternatives for transport and logistics, alternatives for concentration and dilution, and alternative sources of hydrogen.

We offer the solutions to do better.

HOW IT WORKS

For quite a few years, Solvay has been working on a breakthrough new concept of small hydrogen peroxide production units to be installed at its customers' sites. myH₂O₂ is a unique, robust, reliable and safe solution that is tailored to the customers' needs.

1.

Unique Solvay process technology & compact design

The myH₂O₂ unit combines new proprietary and innovative technology developments from Solvay to run small H₂O₂ production units in safe, reliable, competitive conditions.

Capacity 3-15 kt/yr H₂O₂

Design modular, compact, pre-assembled, skid-mounted

Operation local day-crew + remote monitoring & control

Product non-concentrated H₂O₂

2.

Installed at the customer's premises for on-site H₂O₂ consumption

myH₂O₂ Satellite Peroxide Production™ units are installed at the customer's location, and are tailored to its premises. They therefore allow new ways of simplifying and optimizing a variety of operations.

Production at the customer plant guarantees the security of supply and overcomes supply chain challenges.

3.

Associated with Solvay's hydrogen peroxide mother plant for catalyst & solvent supply and regeneration

The myH₂O₂ Satellite Peroxide Production™ unit is not a stand-alone concept; it has a simplified process flow and remains associated with a hydrogen peroxide mother plant for remote control and centralized supply & regeneration of catalyst and solvents at defined calendar intervals.

4.

Integrated value stream with the customer for hydrogen and other feedstocks and utility sources

The myH₂O₂ satellite unit is very suitable for large customers, such as pulp & paper mills worldwide, and to many other process industries in remote areas, as it offers unprecedented levels of value stream integration:

- Integrated supply of hydrogen feedstock (electrolysis, gasification or reforming)
- Oxygen and utilities
- Land and typical site services

DESIGN & LAYOUT

Inside Battery Limits components and process areas for a safe, robust and reliably operating myH₂O₂ Satellite Peroxide Production™ unit.

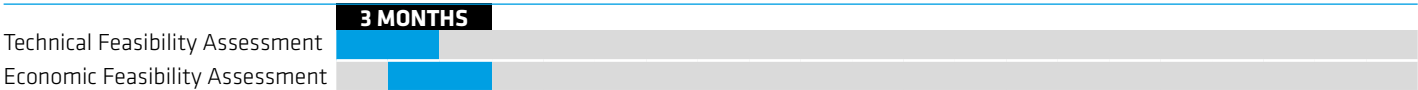
1. Synthesis unit
2. Storage tanks
3. Cooling tower
4. Tech room / DCS / MCC / substation / office
5. Effluent pit
6. Air compressor



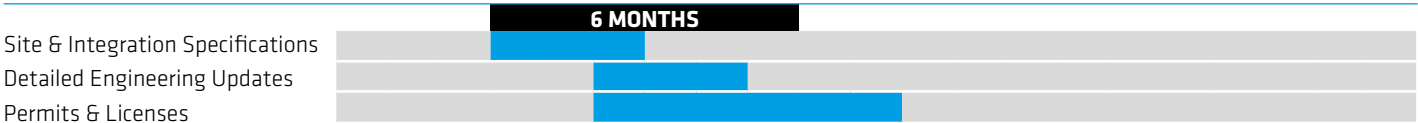
NEXT STEPS & TIMELINE

for installing a myH₂O₂ Satellite Peroxide Production™ unit at your site.

1 ASSESSMENT CONFIDENTIALITY AGREEMENT

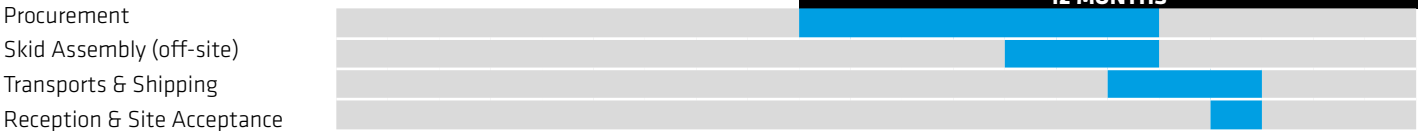


2 LOCALIZATION ENGINEERING AGREEMENT



3 ENGINEERING PROCUREMENT CONSTRUCTION LONG TERM SUPPLY AGREEMENT

Stream 1 Equipment



Stream 2 Site



Stream 3 Supply



4 LAUNCH START-UP & PRODUCTION



About Solvay

Solvay is reshaping the global chemical industry. Asking more from chemistry, Solvay is capable of attracting and developing talented people who conceive, design and produce solutions to meet the major challenges facing society today.

Solvay is the leading global supplier of hydrogen peroxide, offering 14 production sites worldwide, and 5 R&D centres. Solvay is also the global technology leader in hydrogen peroxide mega plants, supported by partnerships and joint ventures with DOW Chemical, Aramco and BASF.

Solvay is the only partner capable to deliver specific designs at both the extremes of the capacity spectrum, to be operated safely, reliably and economically.

€ **9,940**
mln net sales

 **29,400**
employees

 **117**
sites

 **56**
countries

 **15**
major R&I centres



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