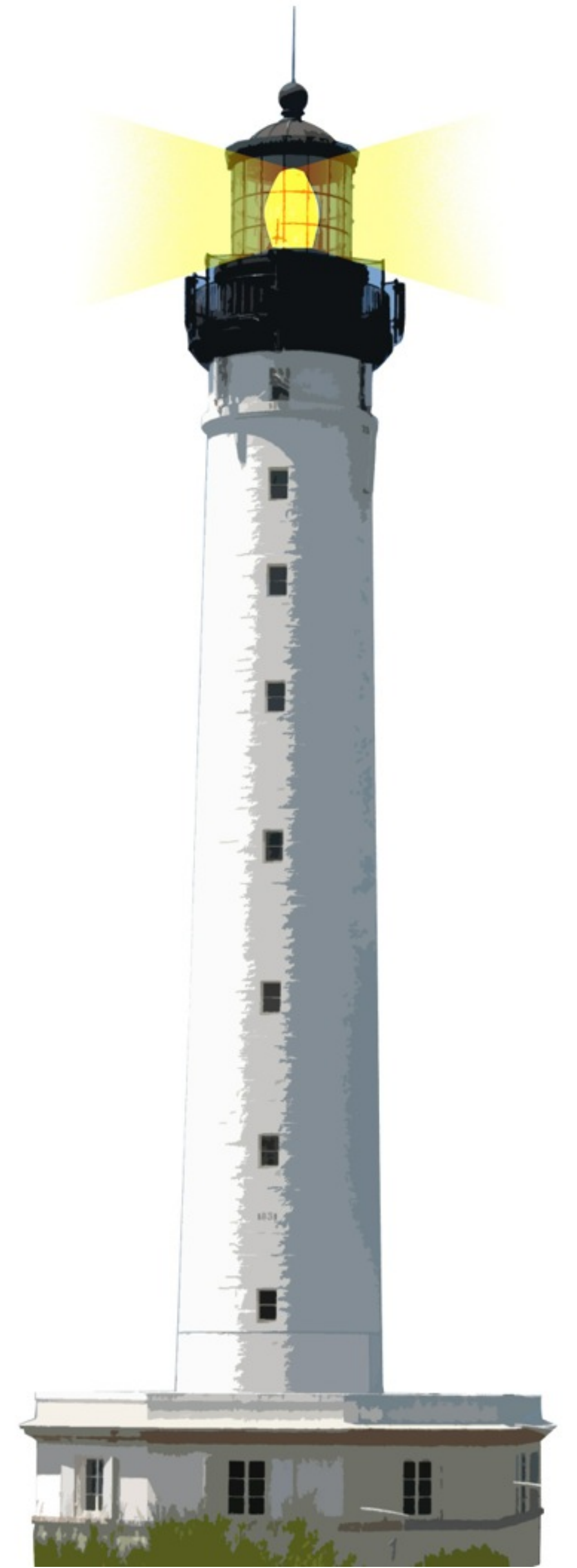


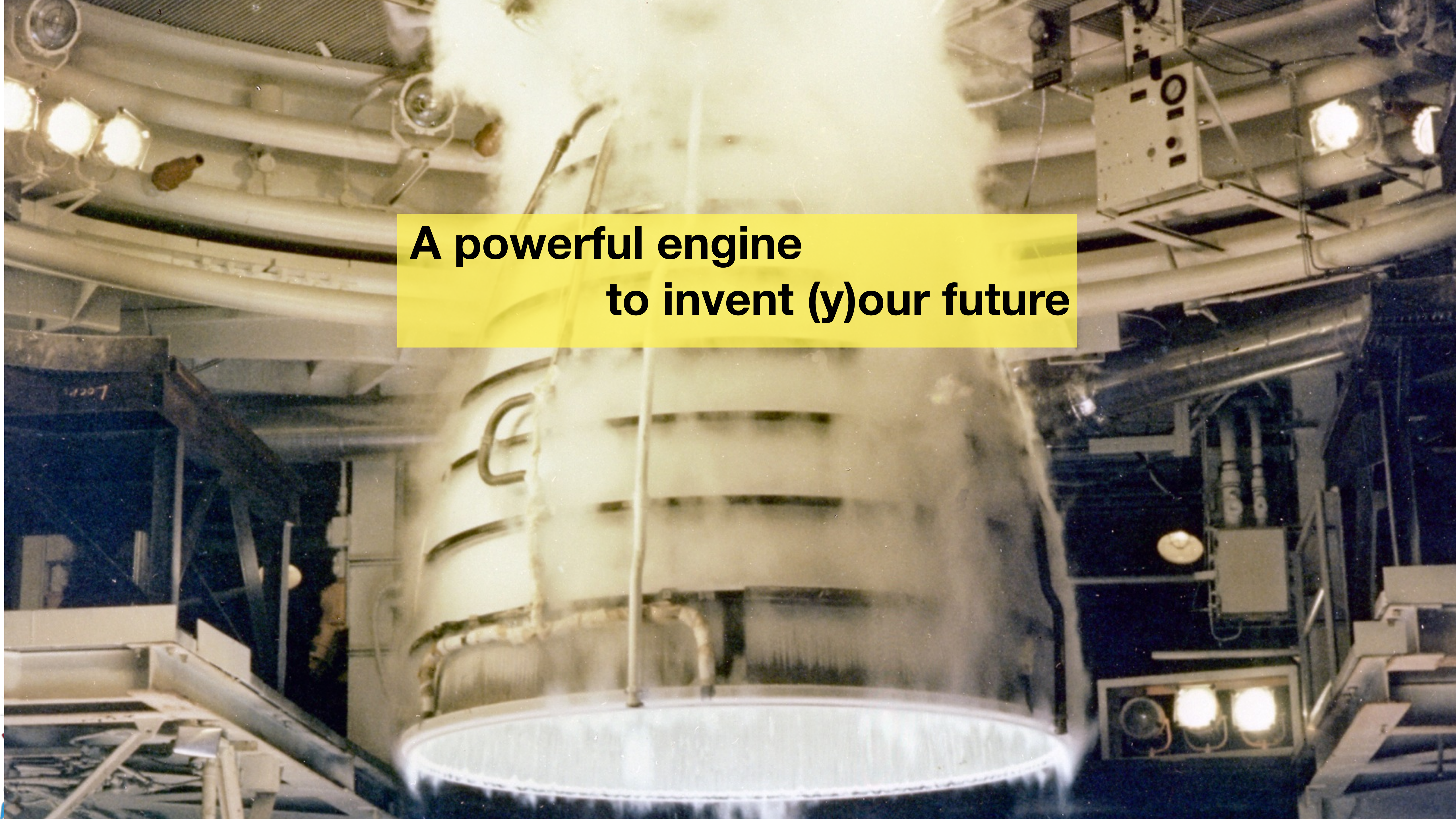
Pharo Vision

Damien CASSOU, Stéphane DUCASSE and Luc FABRESSE

www.pharo.org

W1S03



A photograph of a large industrial engine or turbine in a factory setting. The engine is a large, vertical, cylindrical structure with a complex internal design, possibly a gas turbine or a large pump. It is surrounded by various pipes, valves, and structural elements. The scene is lit by several bright, industrial-style spotlights. A yellow rectangular text box is overlaid on the right side of the image, containing the text "A powerful engine to invent (y)our future".

**A powerful engine
to invent (y)our future**



**An ecosystem where
innovation/business bloom**

Some Pharo's Teachers

• Uni. of Buenos Aires • Uni. of Bern • Uni. of Maroua •
Uni. of Brussels • Ecole des Mines de Douai • Uni. of
Savoie • Ivan Franko Nat. Uni. of Lviv • Czech Technical
Uni. • CULS Prague • Uni. of Quilmes • Uni. of La Plata •
Northern Michigan Uni. • Uni. Technologica Nacional
(UTN) • Uni. Catholic of Argentina • Uni. of Santiago • Uni.
Policnica de Catalunya • Uni. de Bretagne Occidentale •
Uni. of Tomsk • INFTI • Uni. of Fernhagen • IT Un. of
Copenhagen • Uni. Cat del Sacro Cuore of Brescia • Uni.
Yaounde • Uni. Lomé • Uni. Lille • Uni. San Martin

Research Groups

Lafhis (AR)
Software Composition
Group (CH)
CAR (FR)
RMOD (FR)
Ummisco (IRD)
Reveal (CH)
Lysic (FR)
CEA-List (FR)

Uqbar (AR)
OC (FR)
CCMI-FIT (CZ)
ASERG (BR)
Pleiad (CL)

Some companies

www.2denker.de
www.airflowing.com
www.beta9.be
www.bombardier.com
www.cmsbox.com
www.finworks.biz
seaside.gemstone.com
www.inceptive.be
www.majcon.de
www.mindclue.ch
www.miriamtech.com
www.netstyle.ch
www.panasoft.com
www.pinesoft.co.uk

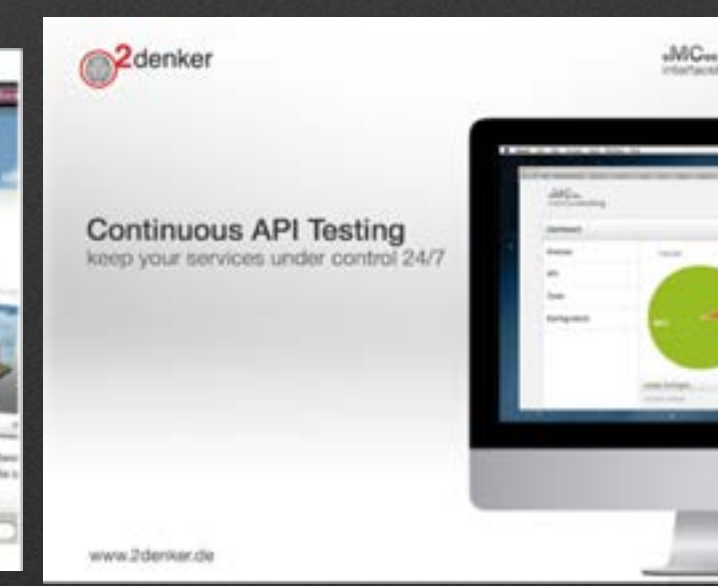
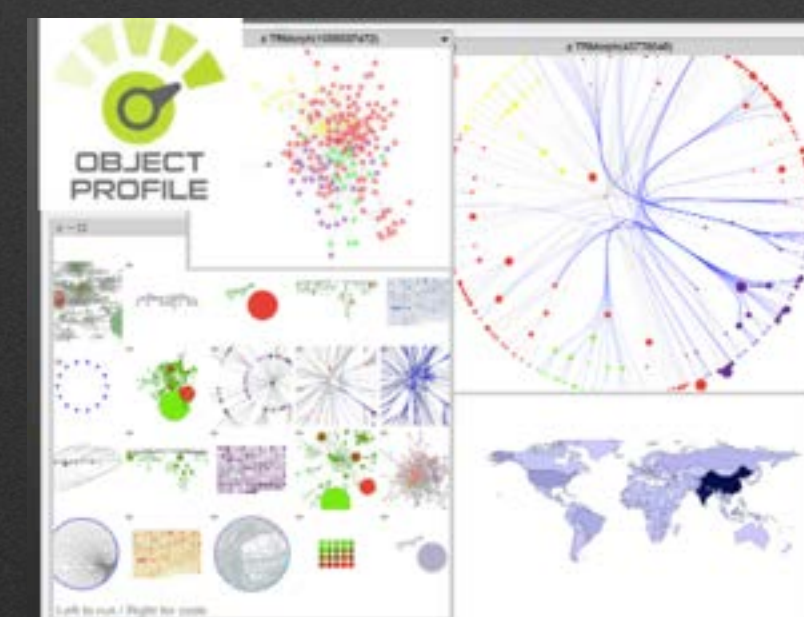
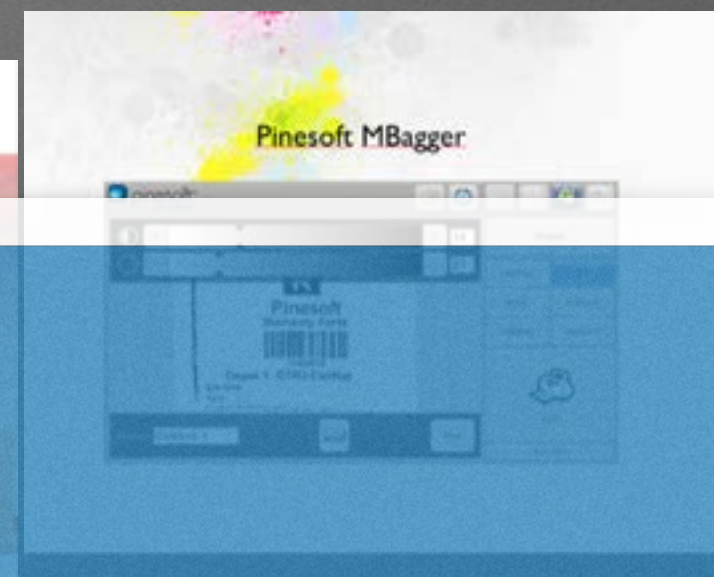
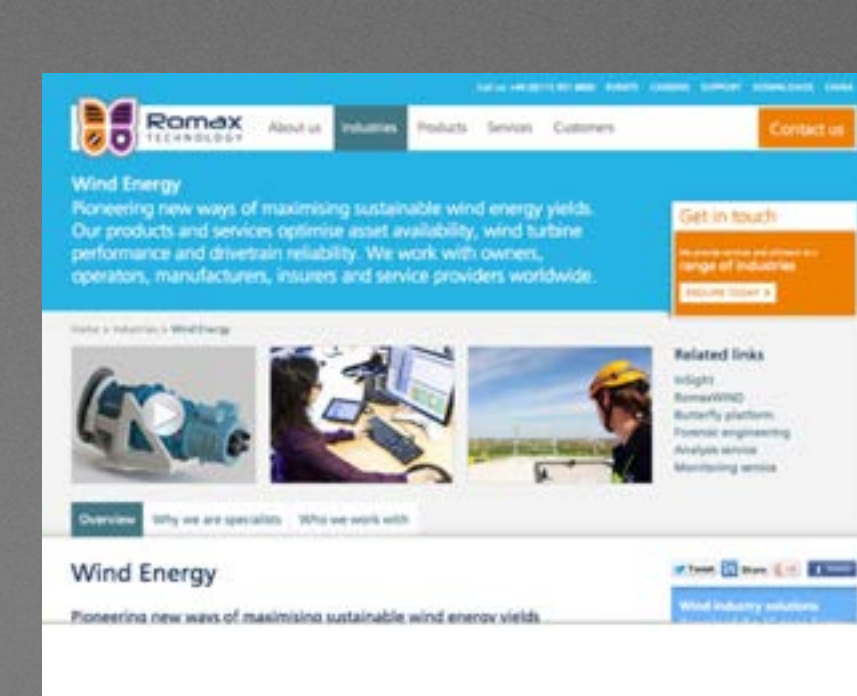
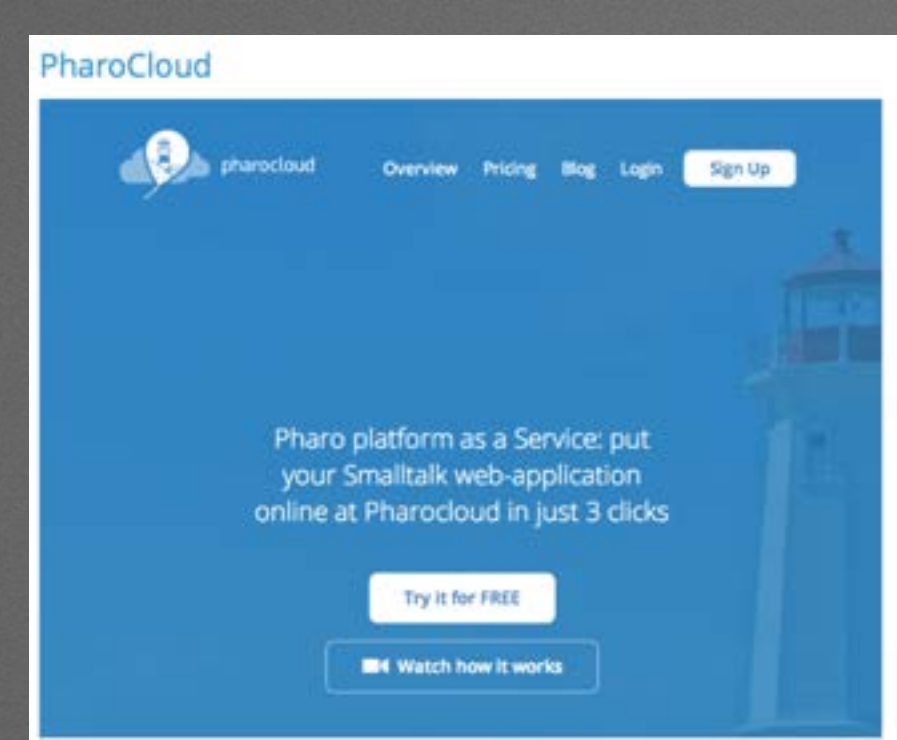
www.sharedlogic.ca
www.smallworks.com.ar
www.trantaria.com
www.yesplan.be
www.synectique.eu
www.sorabito.com
www.objectprofile.com
www.pharocloud.com
debrispublishing.com
spesenfuchs.de
www.promedmedical.net
norizzk.com

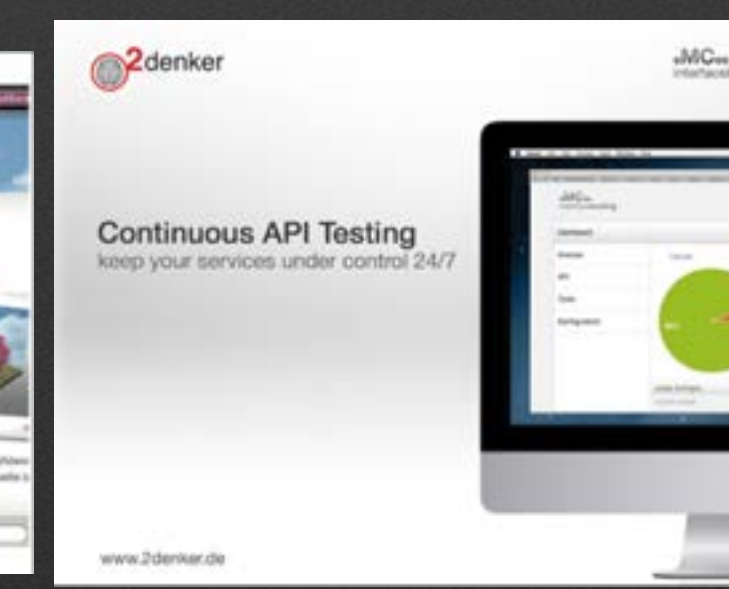
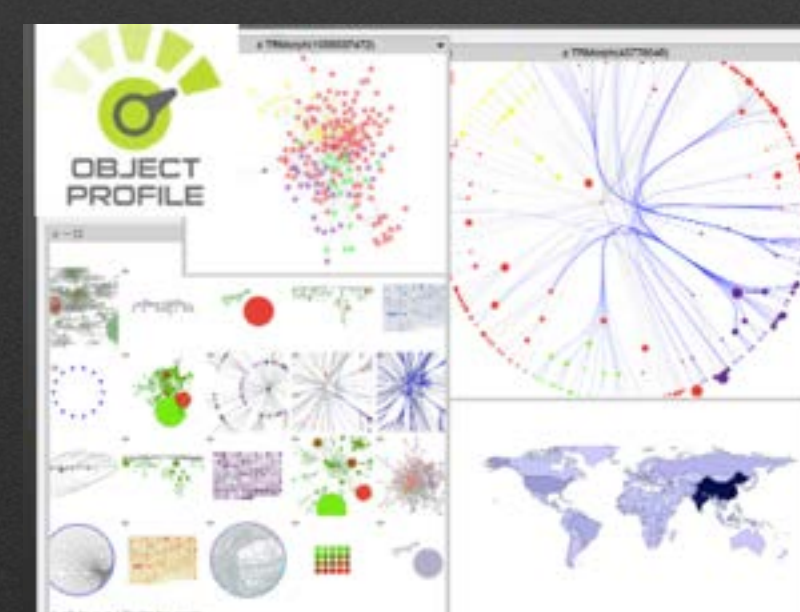
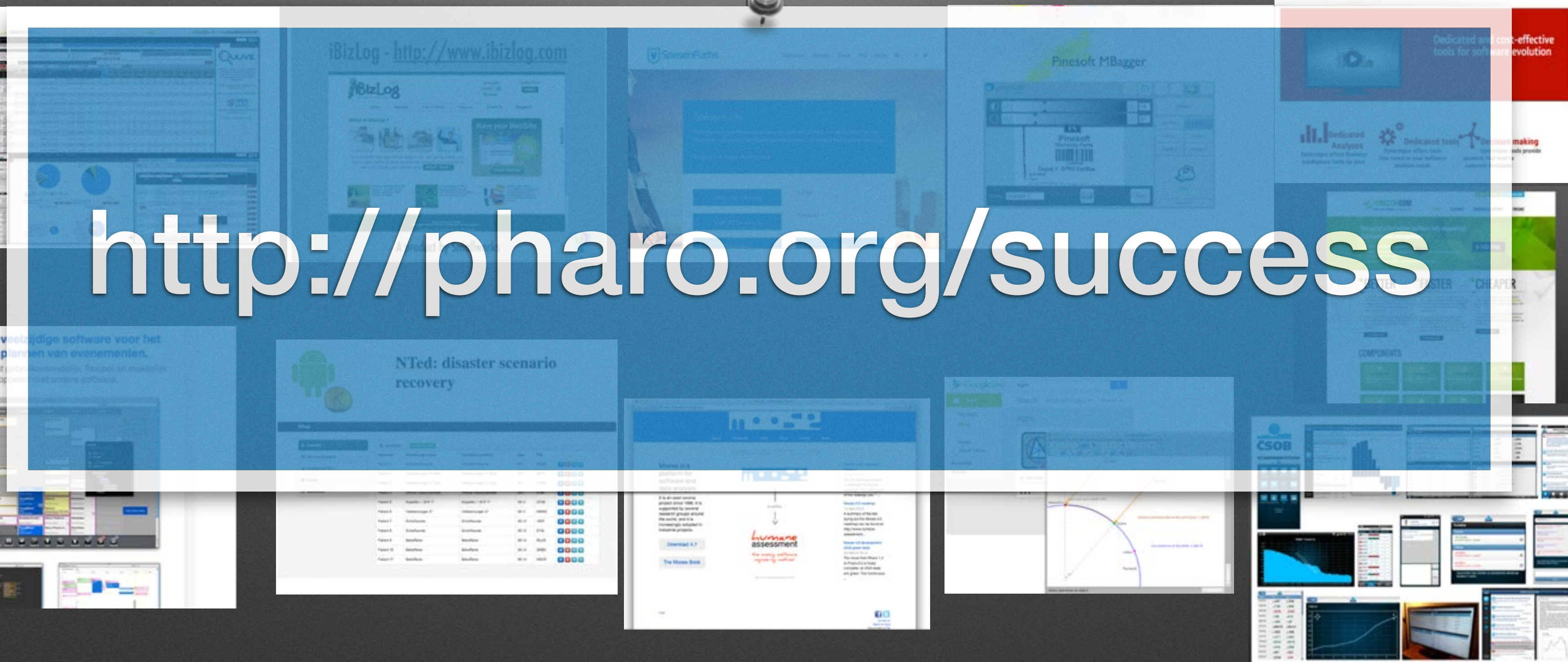
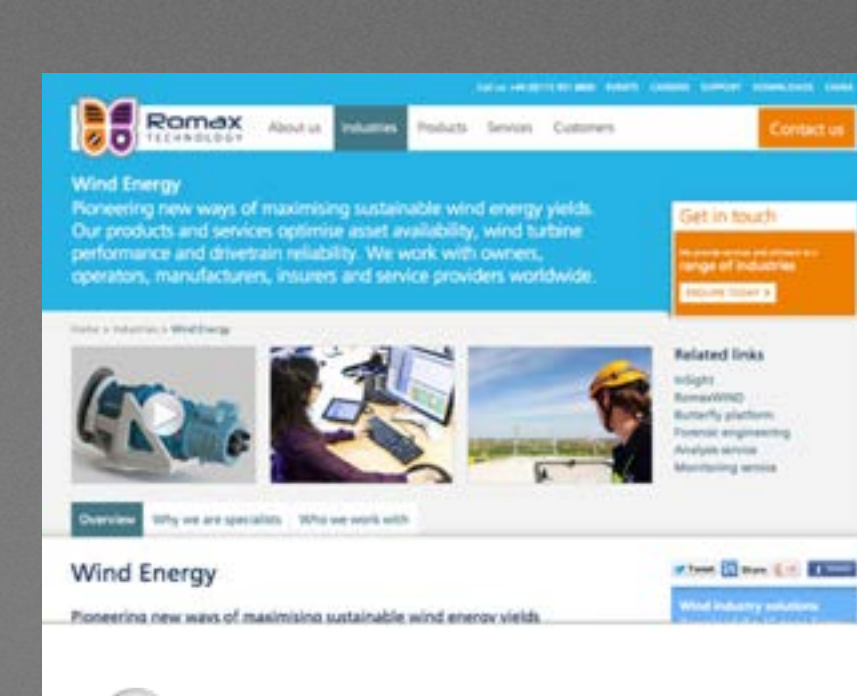
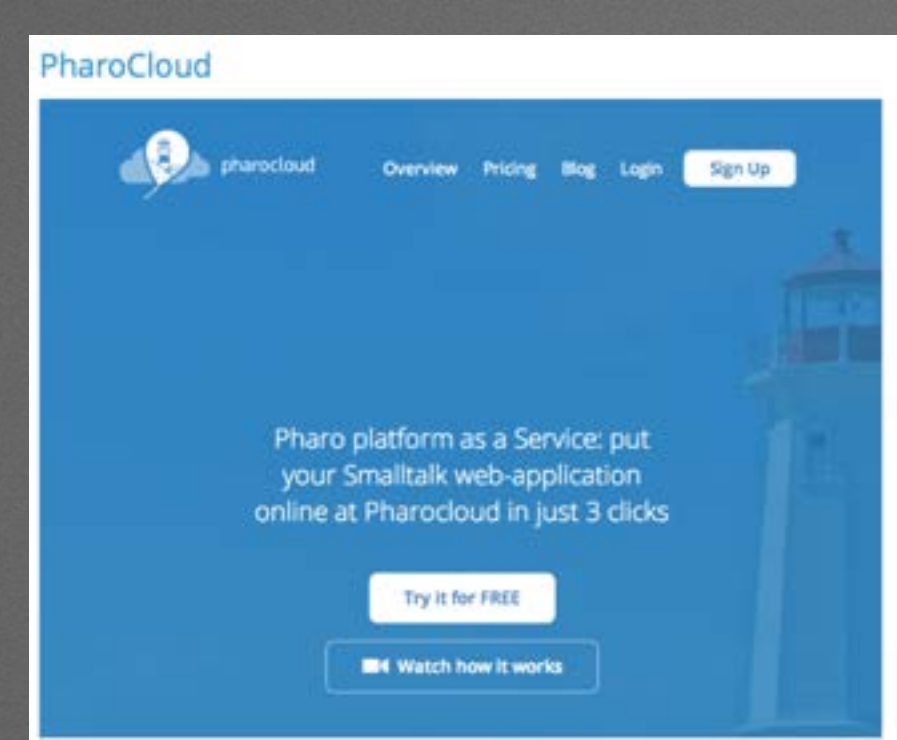
Pharo Web Stack is Gorgeous

- * Seaside components/REST
- * Zinc HTTP/HTTPS, Teapot Micro server
- * WebSockets, OAuth....
- * Magritte MetaData (no form)
- * Database: NoSQL (mongoDB, CouchDB, Riak), MySql, Postgres, sqlite, openDBX
- * Protocols: Encodings, messaging...

seaside★



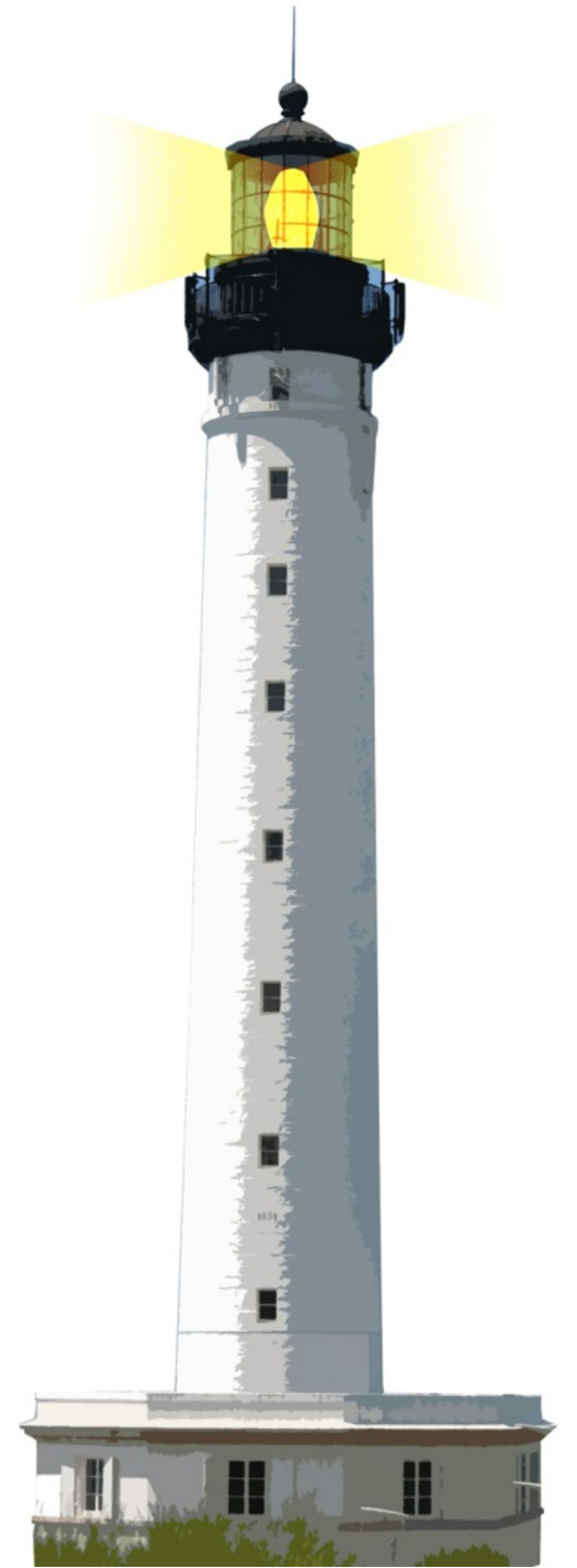




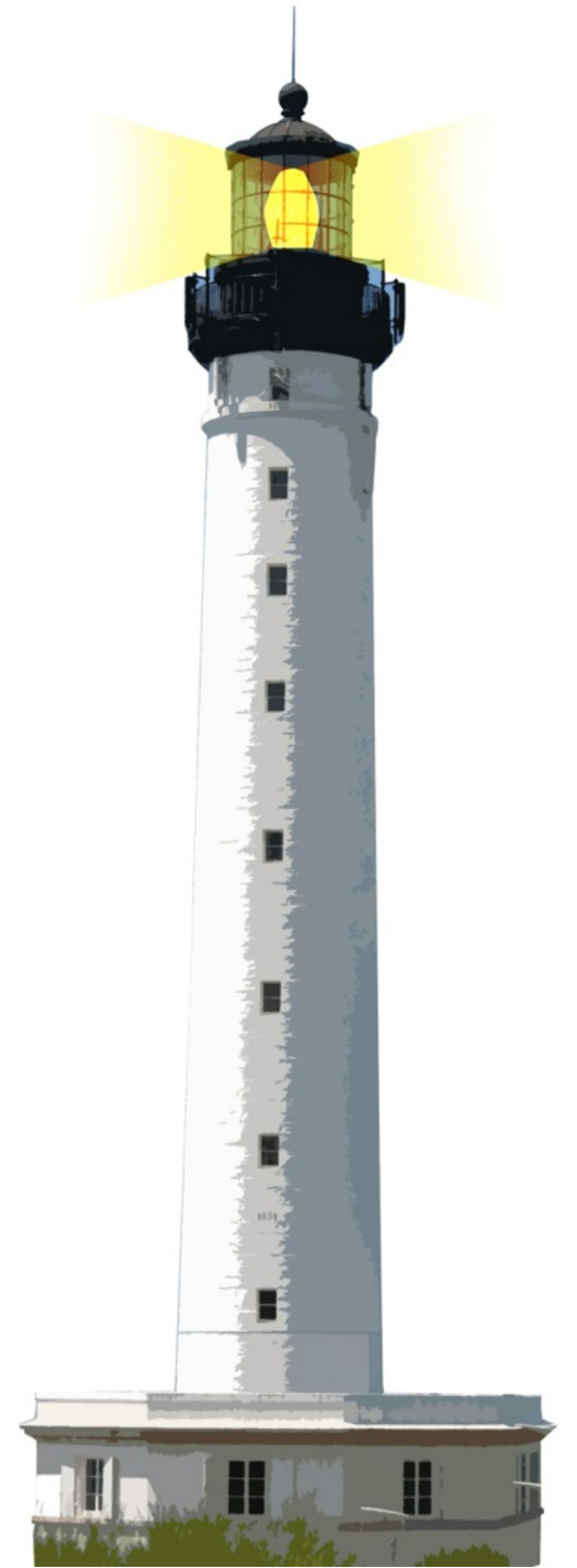


Pharo is our vehicule
We improve it everyday

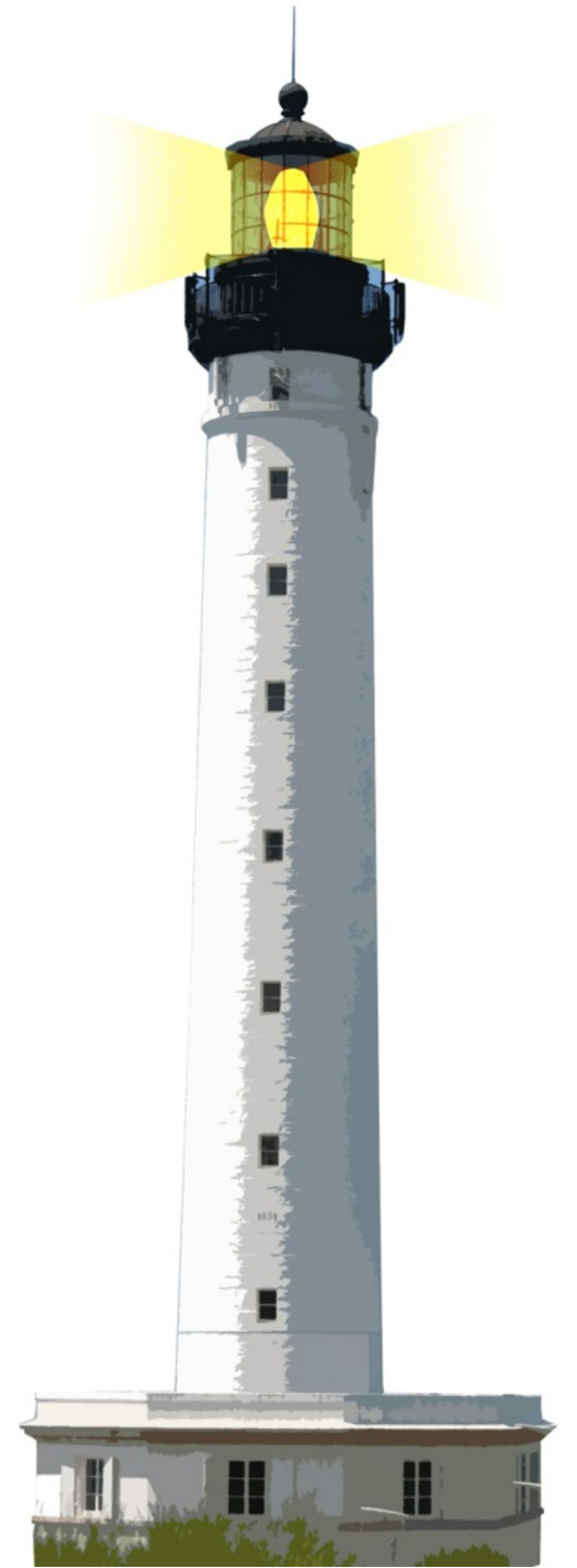
**Pharo is just starting
Futur is exciting...**



Pharo is open



You can help and get impact



Pharo is an Enabler

“One of the things that drew me to do the Delay refactoring, is simply that I could. That is, I was amazed that I could dig so deep so easily, see a path to improvement and effect change at a fundamental level. ... it seems to have gone reasonably smoothly. That sense of mastery is seductive.” Ben Coman



Turtles all the way down

A. Bryant knew ruby, python, scheme, C, objective-C,...
but he developed Seaside in Pharo's ancestor because he
could manipulate the stack behind the back of developers

Seaside (<http://www.seaside.st>) is based on on-demand
stack reification



Mid-Term Vision

- * Bootstrapped core
- * High integration with OSes and C
- * Modular and validated distributions
- * Powerful tools all the way
- * Versatile system: from coffee machines to the cloud



Industrial Consortium

home about membership reports news pharopro

Pharo consortium portal

A clean, innovative, open-source,
Smalltalk-inspired environment.

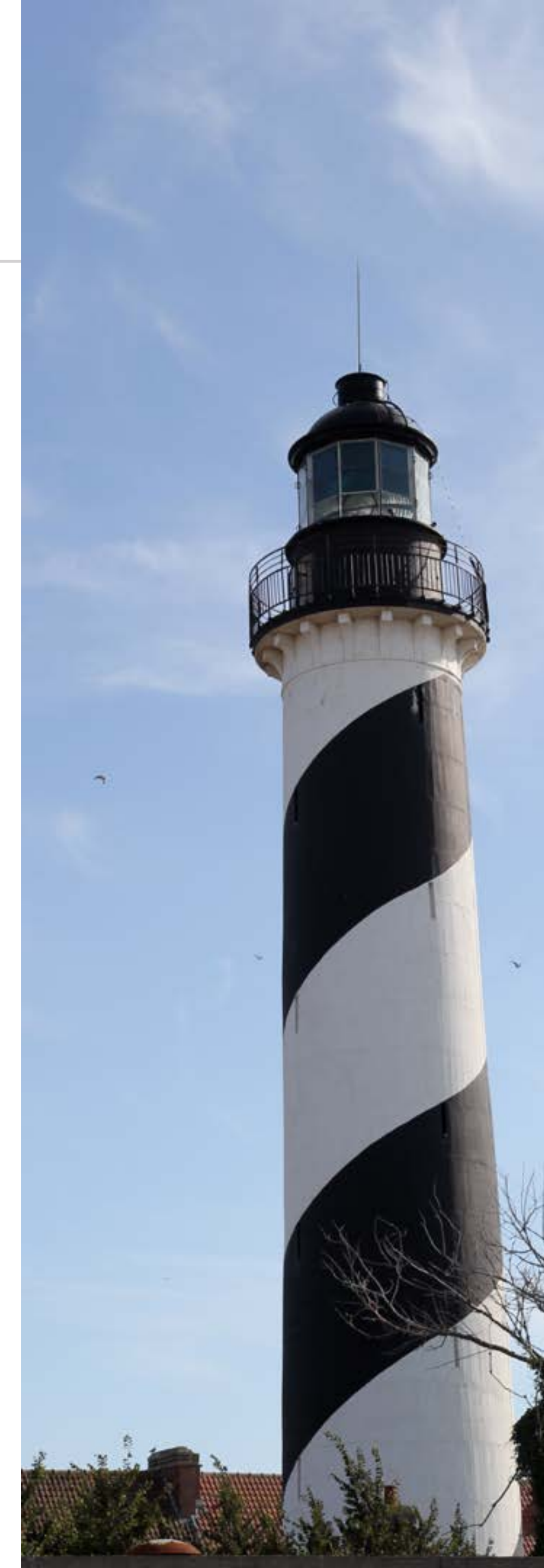
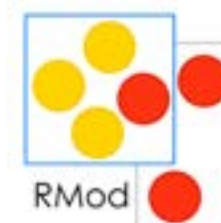
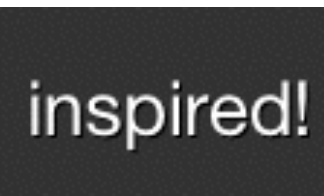
- * <http://consortium.pharo.org>
- * Promote Pharo
- * Sustain Pharo development
- * Provide trustable visibility
- * Provide support

The Pharo Consortium

The goal of the consortium is to structure and build an umbrella to foster business around Pharo and to promote Pharo. There are several goals for the consortium.

- **Promote.** The consortium will promote Pharo by supporting conferences, books, videos, exhibitions, and conference participation. It will improve Pharo visibility and support the expansion of its community.
- **Give the direction of Pharo.** The role of the consortium is also to help deciding the future development of Pharo. The consortium will gather input from its members from a business perspective.
- **Support the day to day development of Pharo.** The consortium will collect funds. The consortium will structure the development of Pharo. It will pay engineering tasks to be performed such as improving the virtual machine, network libraries, better JIT support or any other tasks decided by the Pharo Steering

Industrial Members



<http://www.pharo.org>

Pure & elegant
Fun, simple
Highly productive
Excellent for
teaching
Empowering
Full access

Pictures

- p.2: By NASA (Great Images in NASA Description) [Public domain], via Wikimedia Commons
- p. 3 to 6: By S. Ducasse
- p.10: By Fabio Alessandro Locati [CC BY-SA 3.0], via Wikimedia Commons
- p. 18 and 19: By S. Ducasse

A course by



and



in collaboration with



Inria 2016

Except where otherwise noted, this work is licensed under CC BY-NC-ND 3.0 France
<https://creativecommons.org/licenses/by-nc-nd/3.0/fr/>