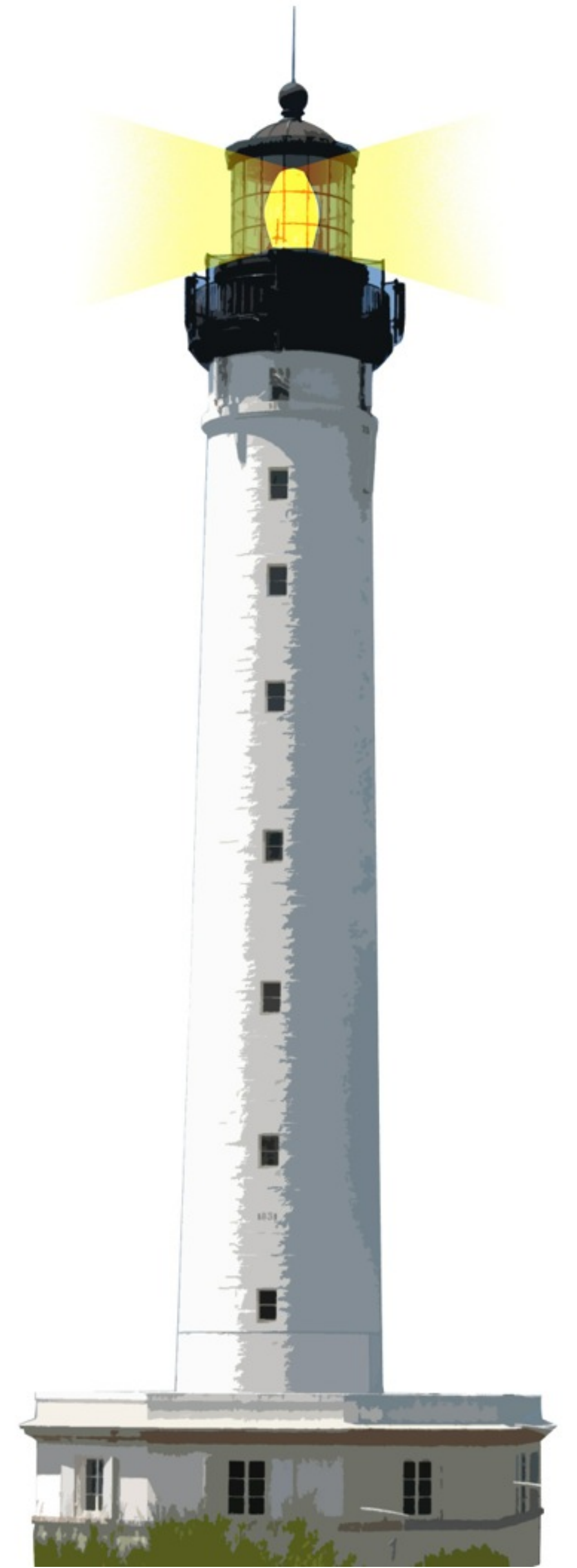


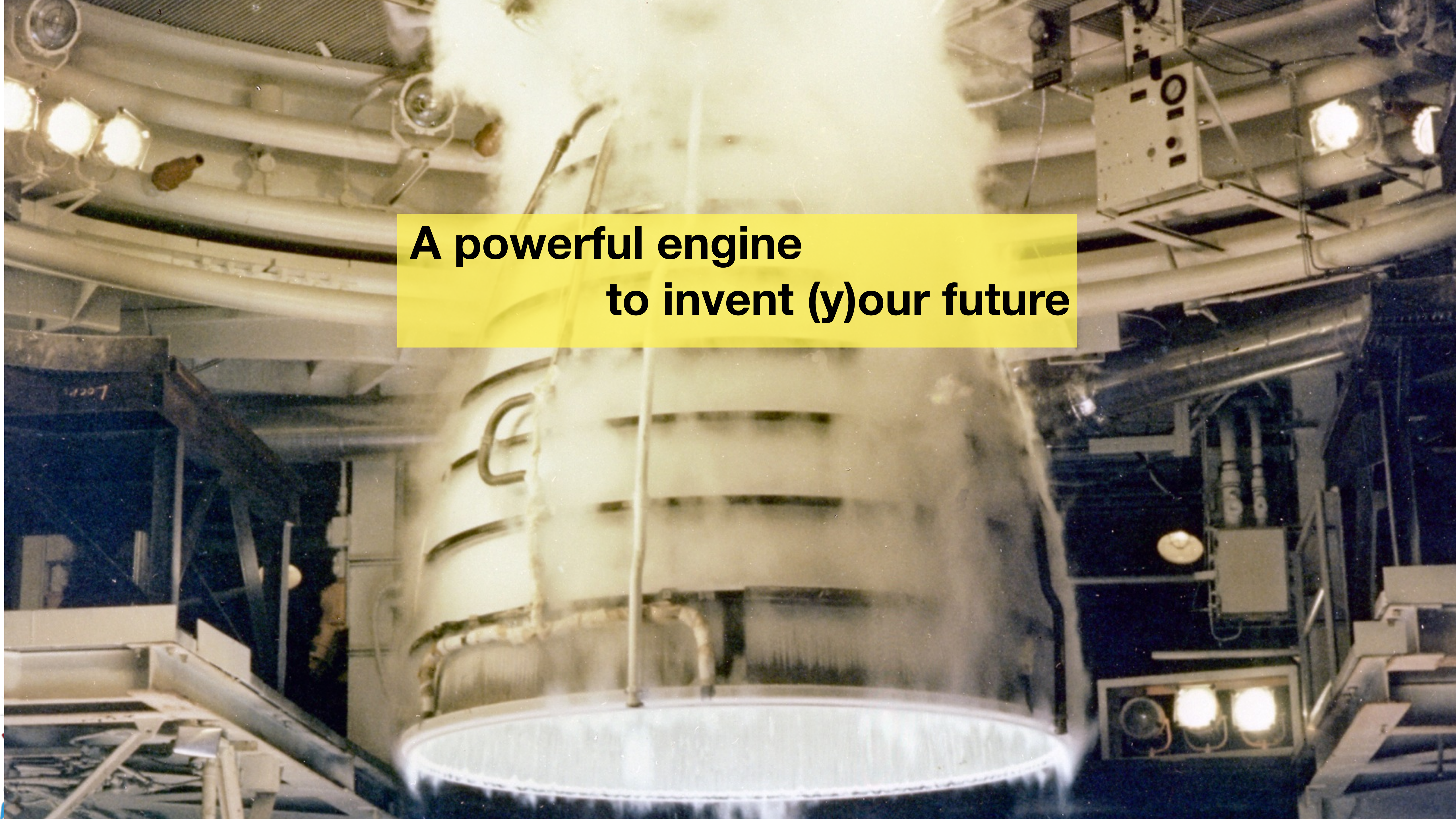
Pharo Vision

Damien CASSOU, Stéphane DUCASSE and Luc FABRESSE


www.pharo.org

W1S03



A photograph of a large industrial facility, possibly a particle accelerator or a fusion reactor. The central feature is a large, vertical, cylindrical structure that is emitting a bright, intense light from its base. The structure is surrounded by a complex network of pipes, conduits, and structural beams. The ceiling is high and features several large, circular lights. The overall atmosphere is one of a high-tech, industrial environment.

**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)

ASERGA (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 



trentosur

Soluciones móviles para retail y trade marketing

Nos enfocamos en lo que importa del negocio
sin perder de vista los detalles de su implementación.

Primeros móvil, Plataforma Android, En la nube

PharoCloud

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Pharo platform as a Service: put your Smalltalk web-application online at Pharocloud in just 3 clicks

Try it for FREE

Watch how it works

Romax TECHNOLOGY

Wind Energy

Pioneering new ways of maximising sustainable wind energy yields. Our products and services optimise asset availability, wind turbine performance and drivetrain reliability. We work with owners, operators, manufacturers, insurers and service providers worldwide.

Get in touch

Related links: Insight, RomaxWIND, Romax's platform, Forensic engineering, Analysis service, Monitoring service

Wind Energy: Pioneering new ways of maximising sustainable wind energy yields.

WEBDRUCK.CH
Web-To-Print Solution

- Design and create individual printed matter
- eShop with credit card payment
- High quality PDF output with Printing Process integration
- Thousands of orders for seven Swiss printing companies

Quuve

Dashboard with multiple charts and data tables.

iBizLog - <http://www.ibizlog.com>

A product by Smallworks

SpesenFuchs

Business Administration Software

Pinesoft MBagger

Software interface for mobile devices.

Synetelligence

Dedicated and cost-effective tools for software evolution

Dedicated Analyses, Dedicated tools, Decision making

HORIZON.COM

BETTER, FASTER, CHEAPER

COMPONENTS

Some Success Stories

Yesplan is veelzijdige software voor het efficiënt plannen van evenementen.

Yesplan is uiterst gebruiksvriendelijk, flexibel en makkelijk te koppelen met andere softwares.

ID	Item	Value	Status
Item 1	Item 1	100	OK
Item 2	Item 2	200	OK
Item 3	Item 3	300	OK
Item 4	Item 4	400	OK
Item 5	Item 5	500	OK
Item 6	Item 6	600	OK
Item 7	Item 7	700	OK
Item 8	Item 8	800	OK
Item 9	Item 9	900	OK
Item 10	Item 10	1000	OK

Moose is a platform for software and data analysis.

Download 4.7

Graph showing data trends over time.

CSOB

Multiple charts and data tables.

airflowing

Organize your creative work

Sales, tasks and finances: your team and all that's essential in one place

Plans and Pricing

Manage your simple way

OBJECT PROFILE

Network diagrams and data visualizations.

Das Content Management mit System

100% Inline-Editor

Drag & Drop, Copy / Paste

2denker

Continuous API Testing

keep your services under control 24/7

t3

Map interface with location markers.

trentosur

Soluciones móviles para retail y trade marketing

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CSOB

Dedicated and cost-effective tools for software evolution

Dedicated Analyses, Dedicated tools, Decision making

<http://pharo.org/success>

Yesplan is webgedige software voor het efficiënt plannen van evenementen.

Yesplan is uiterst gebruiksvriendelijk. Baseed op mobiele toepassing voor android en ios.

NTed: disaster scenario recovery

Project	Start	End	Status
Project 1	2010-01-01	2010-03-31	Completed
Project 2	2010-04-01	2010-06-30	In Progress
Project 3	2010-07-01	2010-09-30	On Hold
Project 4	2010-10-01	2010-12-31	Planned

Humana Assessment

The leading software engineering tool!

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Graph showing trends and data points.

Multiple charts and data visualizations.

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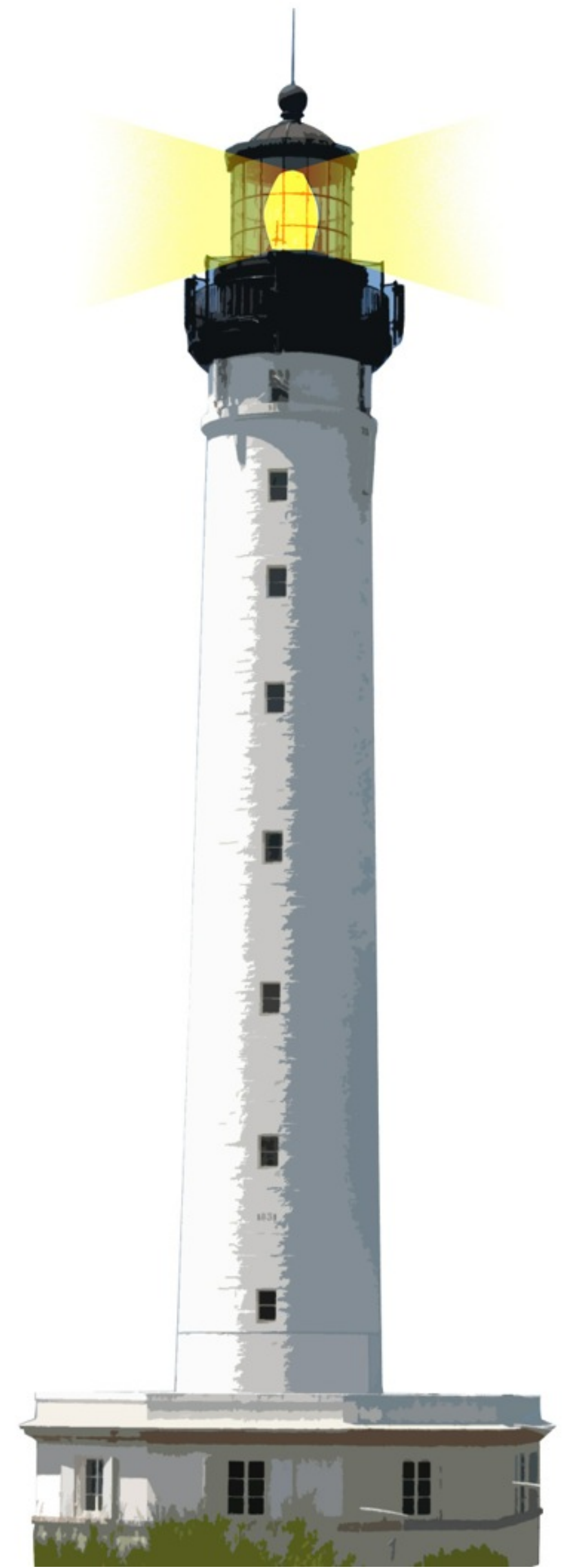
Map showing location and tracking.

t3

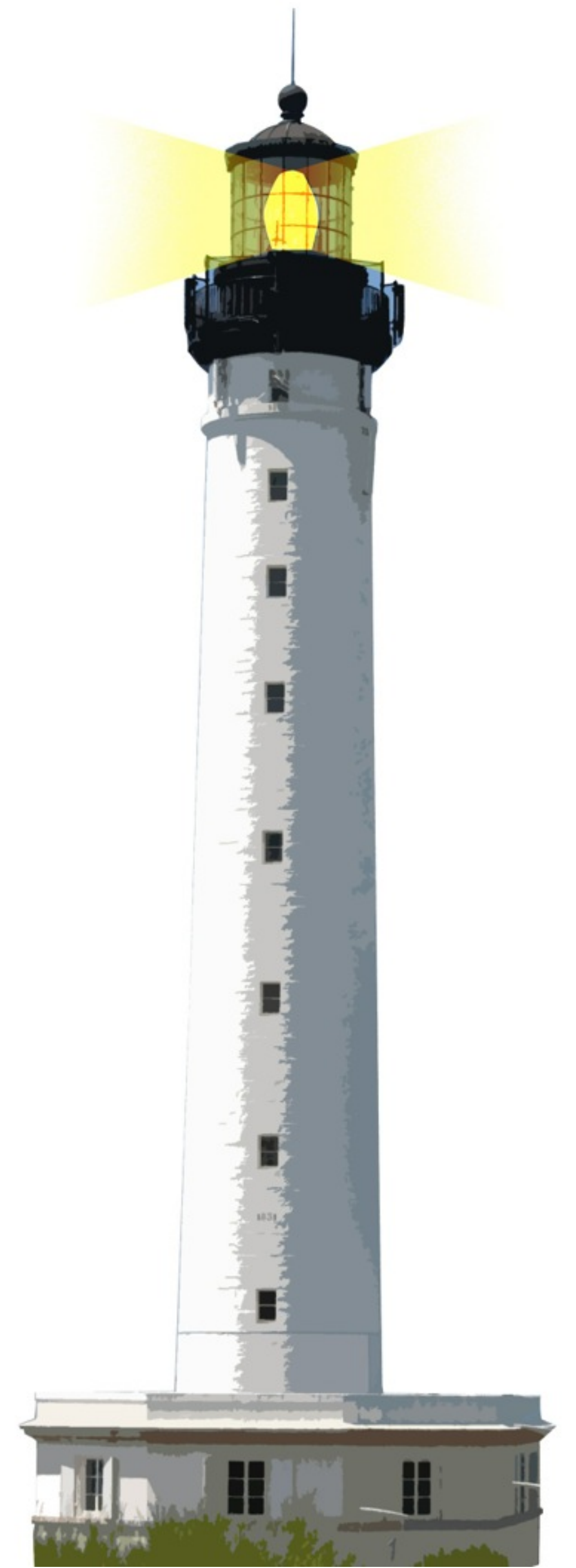


**Pharo is our vehicule
We improve it everyday**

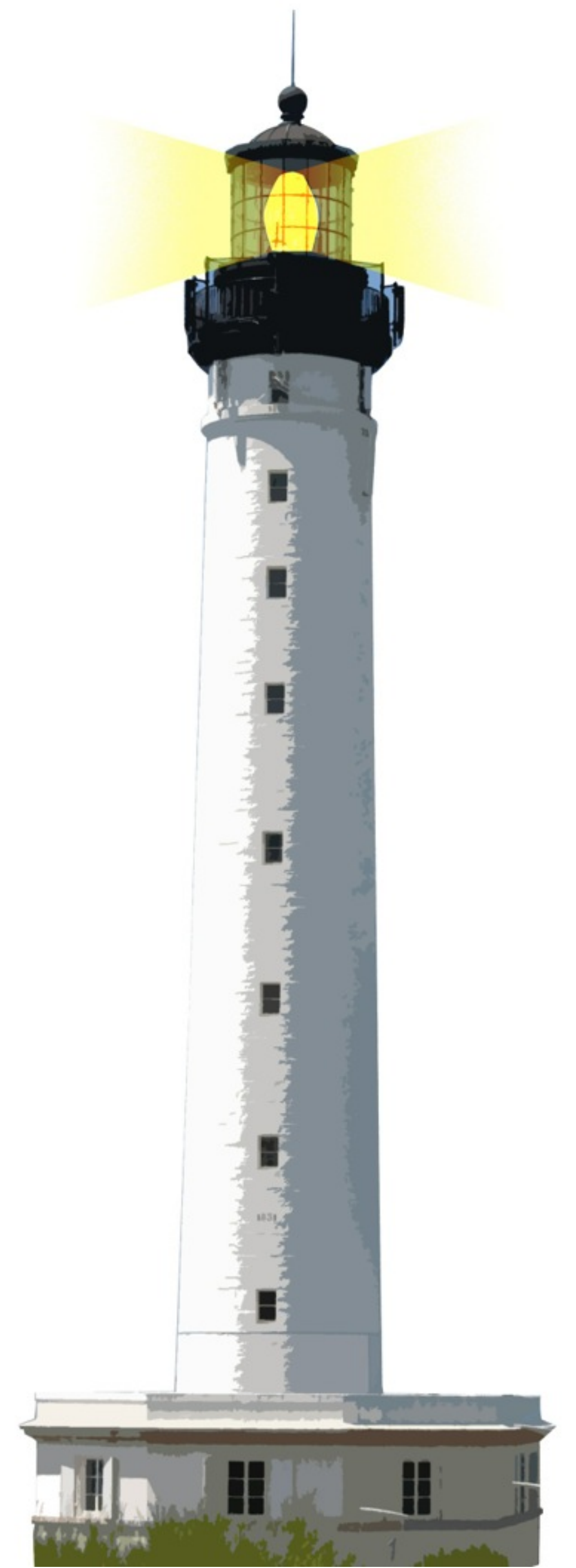
**Pharo is just starting
Futur is exciting...**



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

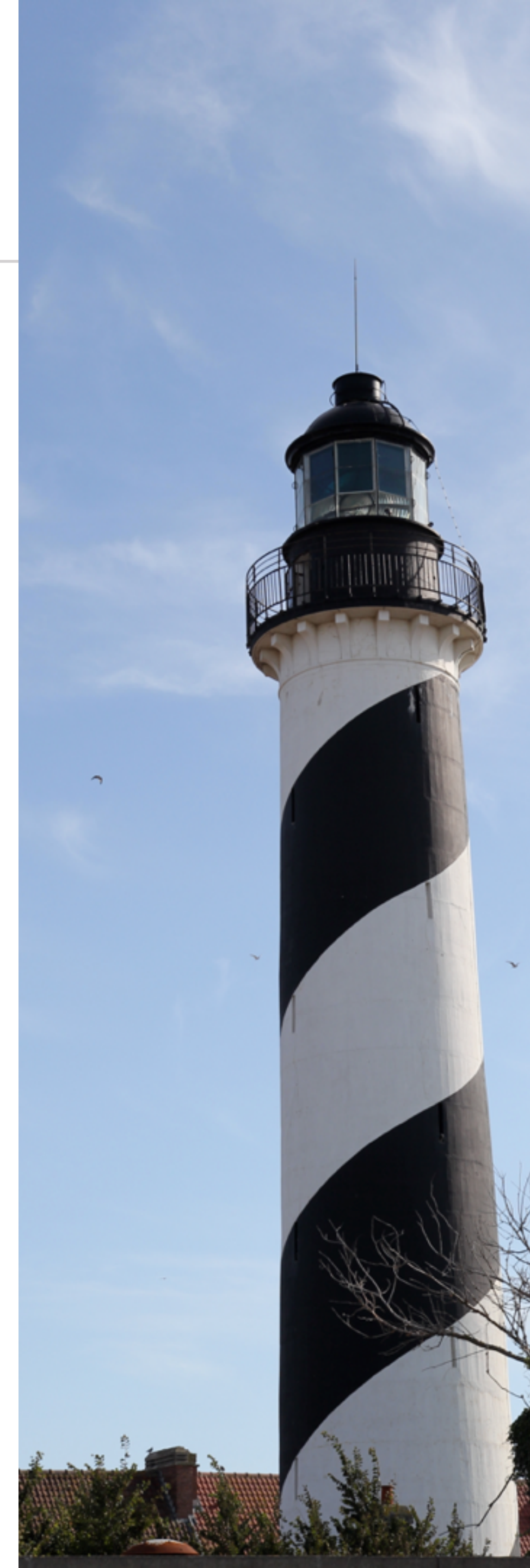
The

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

A course by



and



in collaboration with



Inria 2016

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