

SARENS GROUP

ALTERNATIVE BRIDGE INSTALLATIONS



sarens
group

Nothing too Heavy, Nothing too High



ALTERNATIVE BRIDGE INSTALLATIONS

SUMMARY

- Cranes
- SPMT
- Jacking
- Barges
- Strand jacks
- Skidding
- Gantries
- Creative solutions



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ALTERNATIVE BRIDGE INSTALLATIONS

CRANES

“standard”
crane solutions

2010 - Germany - Lunen



2007 - Netherlands - Friesland

ALTERNATIVE BRIDGE INSTALLATIONS

CRANES

2012 - Tasmania



2007 - Italy - Torino



2009 - UK - Stockton

ALTERNATIVE BRIDGE INSTALLATIONS

CRANES



2011 - France - Sargans

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ALTERNATIVE BRIDGE INSTALLATIONS

SPMT

SPMTs often used
in combination with
a transport structure



2011 - Australia - Bankstown



2014 - France - Nimes

ALTERNATIVE BRIDGE INSTALLATIONS

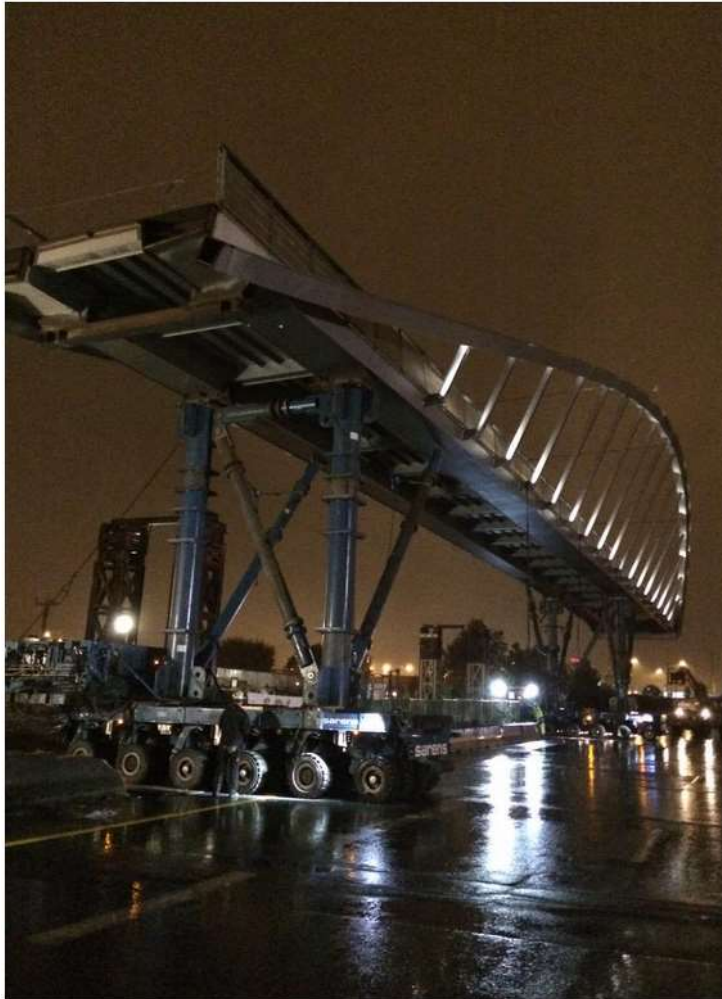
SPMT



2011 - France - Cenon

ALTERNATIVE BRIDGE INSTALLATIONS

SPMT



2015 - France - Paris

ALTERNATIVE BRIDGE INSTALLATIONS

SPMT



2011 - France - Paris



2011 - France - Courbessac

ALTERNATIVE BRIDGE INSTALLATIONS

SPMT

2011 - France - Cepoy



ALTERNATIVE BRIDGE INSTALLATIONS

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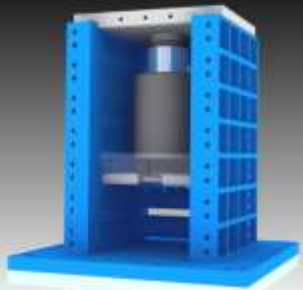
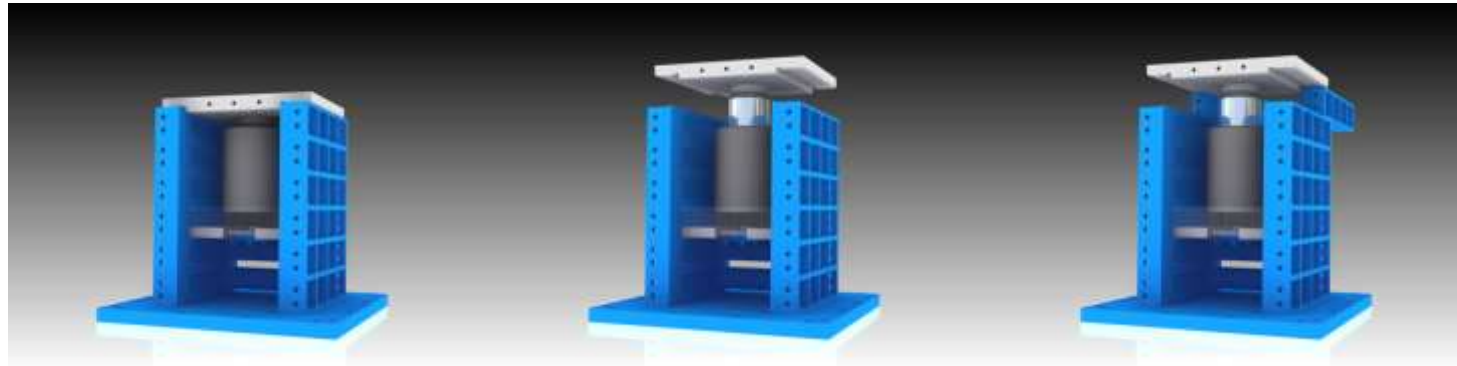
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ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS

CLIMBING SYSTEM



ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS



jacking of bridges
prior to SPMT transport



2008 - Belgium - Antwerp

ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS

resulting in low
construction cost



2012 - France - Troyon

ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS

2013 - Canada - Ottawa



ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS

2013 - France - Vendenheim



ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS



jacking down bridges
onto foundations



2014
France
Paris

ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS

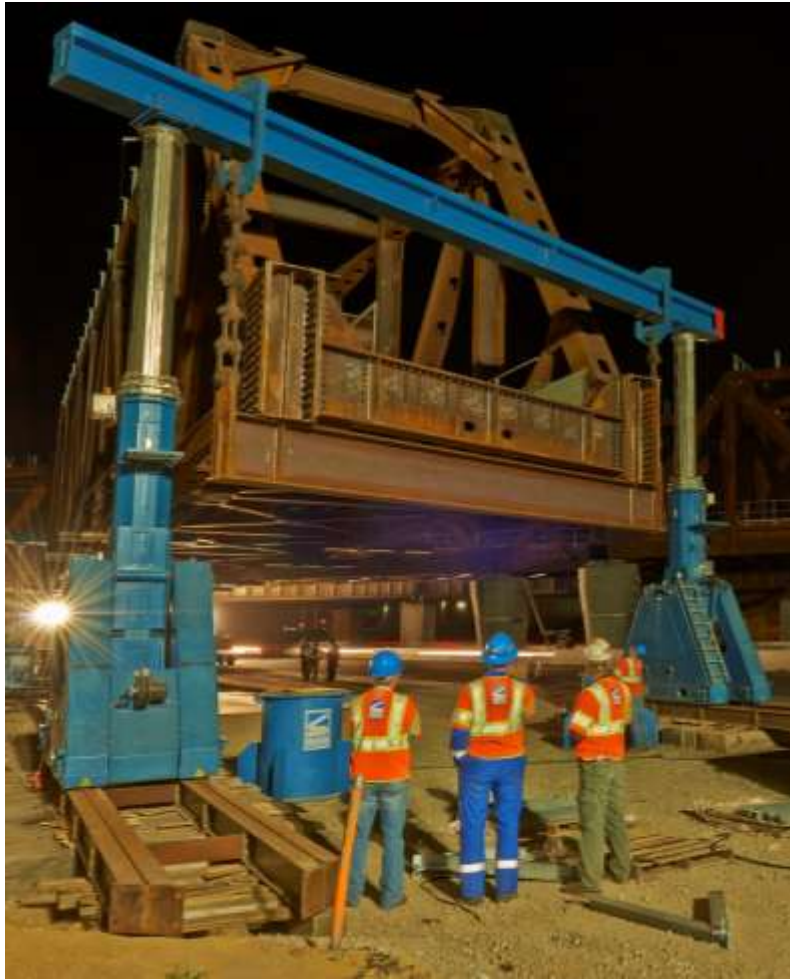


2009
France
Bonneville

SARLIFT

ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS



2014 - USA - Los Angeles

ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS

SARTOWER



2005 - France - Millau

ALTERNATIVE BRIDGE INSTALLATIONS

JACKING SYSTEMS



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ALTERNATIVE BRIDGE INSTALLATIONS

BARGES

2005 - Sarens Twin barge

bridge
transport



2012 - France - Bayonne



ALTERNATIVE BRIDGE INSTALLATIONS

BARGES



2014 - France - Rouen

ALTERNATIVE BRIDGE INSTALLATIONS

BARGES



2012 - France - Bordeaux

ALTERNATIVE BRIDGE INSTALLATIONS

BARGES



2012 - Belgium - Namen



2009 - France - Paris

in combination with cranes

ALTERNATIVE BRIDGE INSTALLATIONS

BARGES

often in combination with
jacking systems and SPMTs



2006
Netherlands
Utrecht

ALTERNATIVE BRIDGE INSTALLATIONS

BARGES



2013 - France - Lyon

ALTERNATIVE BRIDGE INSTALLATIONS

BARGES



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ALTERNATIVE BRIDGE INSTALLATIONS

STRANDJACKS

2010 - France - Nantes



used as a lifting device

ALTERNATIVE BRIDGE INSTALLATIONS

STRANDJACKS



2002 - Netherlands - Utrecht



ALTERNATIVE BRIDGE INSTALLATIONS

STRANDJACKS



2013
Netherlands
Zwolle

ALTERNATIVE BRIDGE INSTALLATIONS

STRANDJACKS



ALTERNATIVE BRIDGE INSTALLATIONS

STRANDJACKS



2013 - France – Paris

ALTERNATIVE BRIDGE INSTALLATIONS

STRANDJACKS

2015 - Belgium - Antwerp



ALTERNATIVE BRIDGE INSTALLATIONS

STRANDJACKS



2013
Netherlands
Nijmegen



ALTERNATIVE BRIDGE INSTALLATIONS

STRANDJACKS



used as
tailing device



2013
Belgium
Gent



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ALTERNATIVE BRIDGE INSTALLATIONS

SKIDDING

launching
of bridges

2015

France - Montpellier



ALTERNATIVE BRIDGE INSTALLATIONS

SKIDDING



2010
Belgium
Melle

**SARENS
LAUNCHING
UNIT**

ALTERNATIVE BRIDGE INSTALLATIONS

SKIDDING



2011 - Germany - Berlin

ALTERNATIVE BRIDGE INSTALLATIONS

SKIDDING



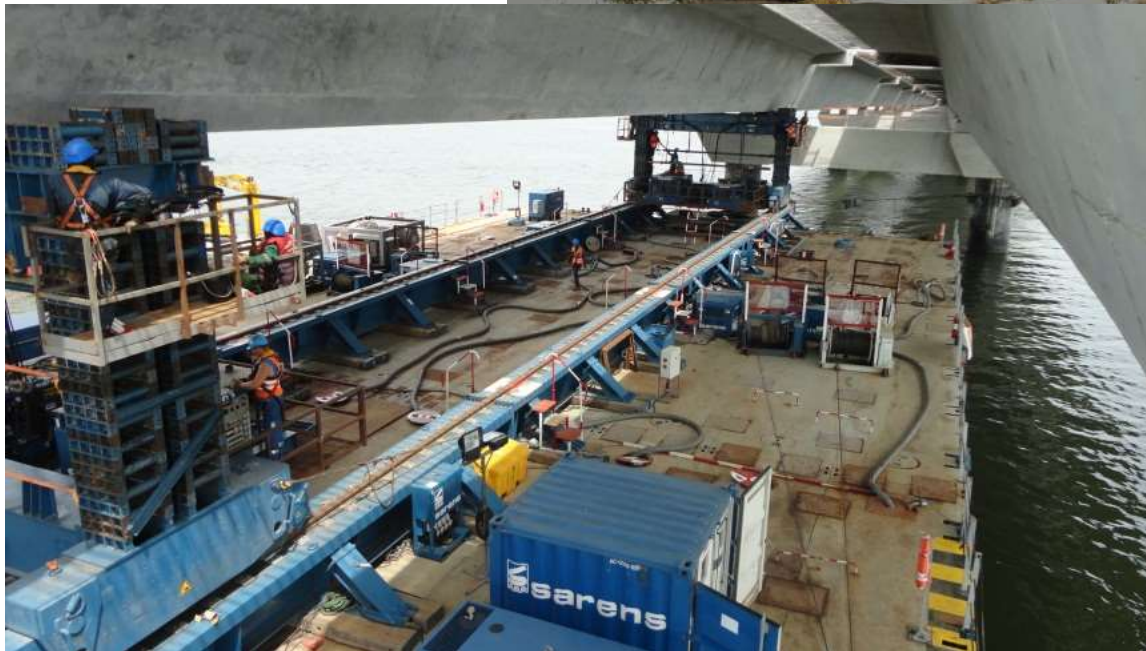
2010
Georgia
Tbilisi



ALTERNATIVE BRIDGE INSTALLATIONS

SKIDDING

SARBOGIES



2013
Ivory Coast
Abidjan

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ALTERNATIVE BRIDGE INSTALLATIONS

GANTRIES



2013 - Sweden - Sundsvall

ALTERNATIVE BRIDGE INSTALLATIONS

GANTRIES

2016 -Canada - Quebec



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ALTERNATIVE BRIDGE INSTALLATIONS

CREATIVE SOLUTIONS



2009
Belgium
Charleroi



ALTERNATIVE BRIDGE INSTALLATIONS

CREATIVE SOLUTIONS



SARTRAIN



2014 - France - Paris

ALTERNATIVE BRIDGE INSTALLATIONS

CREATIVE SOLUTIONS

2003 - France - XXXXXX



ALTERNATIVE BRIDGE INSTALLATIONS

CREATIVE SOLUTIONS

thinking
out of the box



2001 - Netherlands - Amsterdam

*“Sarens is not selling equipment
but providing solutions”*

ALTERNATIVE BRIDGE INSTALLATIONS

QUESTIONS

Questions

