

Lezingenavond NVRB, 2 juni 2021

Productiebeschikbaarheid met ARTIS

website: www.securityofsupply.com

email: info@secuos.com

telefoon: +31 6 4234 1596

Core Team

Chaco van der Sijp
Ico van den Born
Joke Driessen
Aydin Esener
Alex Woldhuis
Wiebe Heitman
Hans van de Vorst

Value Proposition

Our value proposition rests on three pillars:

1. Risk management: delivering quantitative and risk-based approaches to internal control that integrate technical integrity with production availability.
2. Vertical integration: guiding the simultaneous optimisation of the whole value chain, including up- and downstream project development.
3. Knowledge sharing: building robust bridges between project development, engineering and operations, using the ARTIS Live application as one of the ISO 55000 asset management plans.

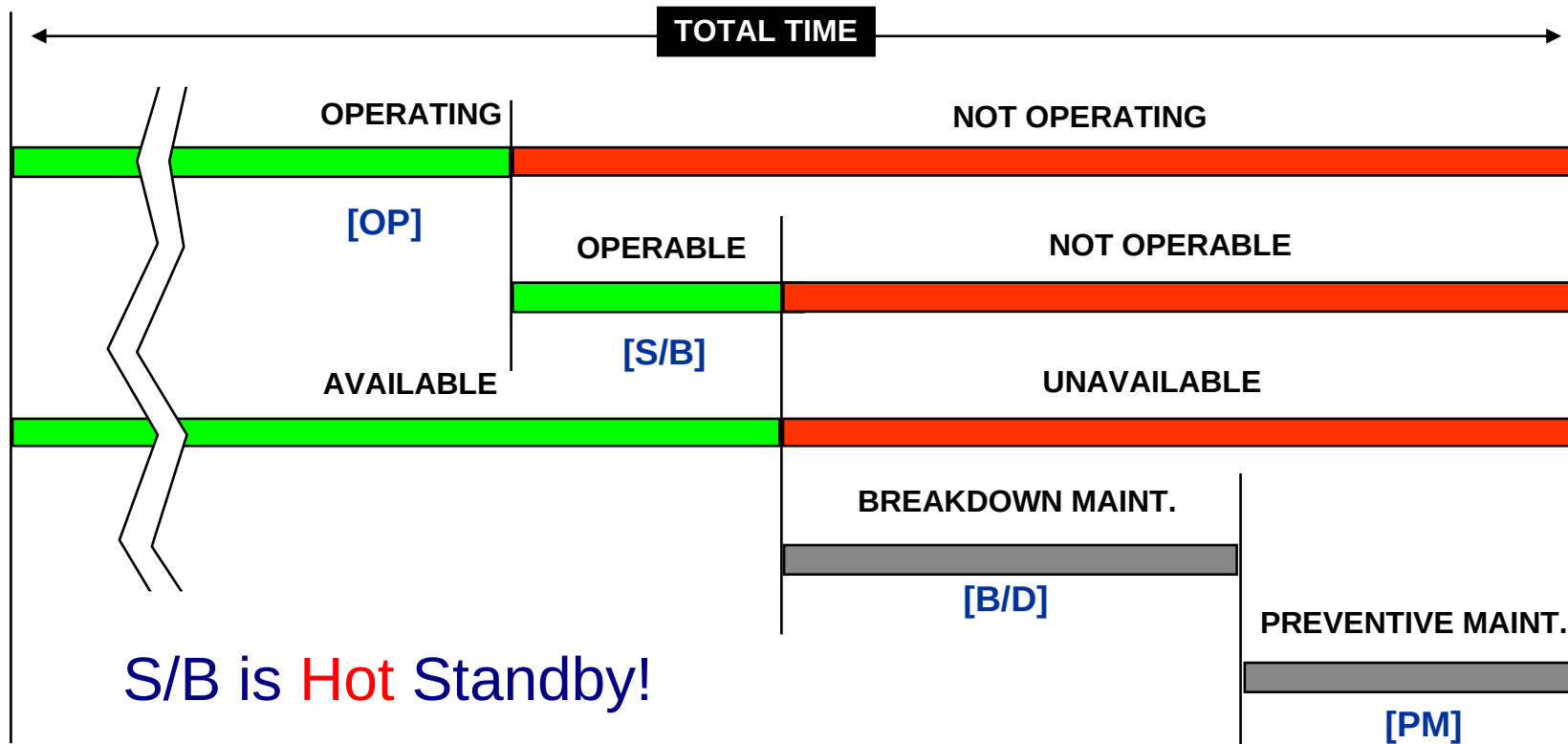
Track record selectie

Klant	Sector	Project	Locatie	Periode
Wood Group	Oil & Gas	Various energy efficiency improvement projects	Asia	2019 - 2020
confidential	Chemicals	Value Enhancement studies	Netherlands	2017 - 2018
confidential	Refining	Electric Power and Steam reliability study	Singapore	2017
confidential	Offshore Wind	Electric Power transmission availability study	Australia	2017
BP, BCG, others	Oil & Gas	Availability Assurance Workshops	Europe, Asia	2013 - 2015
confidential	LNG	large scale LNG exports	Americas	2013 - 2014
Norske Shell	Gas	the Ormen Lange project development, including the subsea gas production	Norway	2007 - 2012
NAM	Gas	Groningen Long Term	Netherlands	2000 - 2010
ADCO, GASCO	Oil & Gas	ADCO's expansion of their oil production capacity towards 1.8 million bbl/day.	Abu Dhabi	2002 - 2010
Woodside	LNG	the Sunrise Floating LNG project development, including the subsea gas production	Australia	2008 - 2009
Shell Development Australia	LNG and Condensate	the Prelude Floating LNG project development, including the subsea gas production	Australia	2008 - 2009
Shell Gas & Power	LNG	a Middle East LNG project development, including the offshore gas production	Middle East	2008 - 2009
Shell E&P	Oil & Gas	Dubai CO2 enhanced oil recovery project development, including CO2 capturing alternatives	Dubai	2009
QatarGas 3 & 4	LNG	the QG3&4 project development, including the offshore gas production	Qatar	2005 - 2006

Leveringszekerheid bij de energietransitie



Productiebeschikbaarheid – wat is dat?



S/B is **Hot** Standby!

$$\text{Reliability} = \frac{\text{MTTR}}{\text{MTTF} + \text{MTTR}}$$

$$\text{Availability} = \frac{\text{OP} + \text{S/B}}{\text{OP} + \text{S/B} + \text{PM} + \text{B/D}}$$

$$\text{Reliability} = \frac{\text{OP} + \text{S/B}}{\text{OP} + \text{S/B} + \text{B/D}}$$

$$\text{Utilisation} = \frac{\text{OP}}{\text{Total Time}}$$