

Continuous Real-time Monitoring of Airborne Pollutant Engineering Controls Leading Practice

MOSH LEARNING HUB
DUST TEAM



CHAMBER OF MINES OF SOUTH AFRICA

Putting South Africa First



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The Senior Manager



Outline of the leading practice

Principle

Activity

1



Engineering
Control

2



3



Continuous
Monitor

4



PLC/RTU's

5



Communication/
Telemetry

6



Host/Control Room

The Leading Practice
that will make a
DIFFERENCE

Includes:

- Communication drivers
- Real-time data monitoring
- Real-time database
- Alarm and event journal
- Historic archive
- Configuration database

Features of Practice



1

Move from re-active to pro-active mode

2

It is predictive and preventative maintenance management

3

It broadens the conventional approach of personal sampling

4

Allows for immediate intervention

- Continuous monitors are placed strategically to monitor engineering controls.
- The ambient air condition is then monitored continuously in real-time.
- A “dust alarm” initiates immediate intervention.



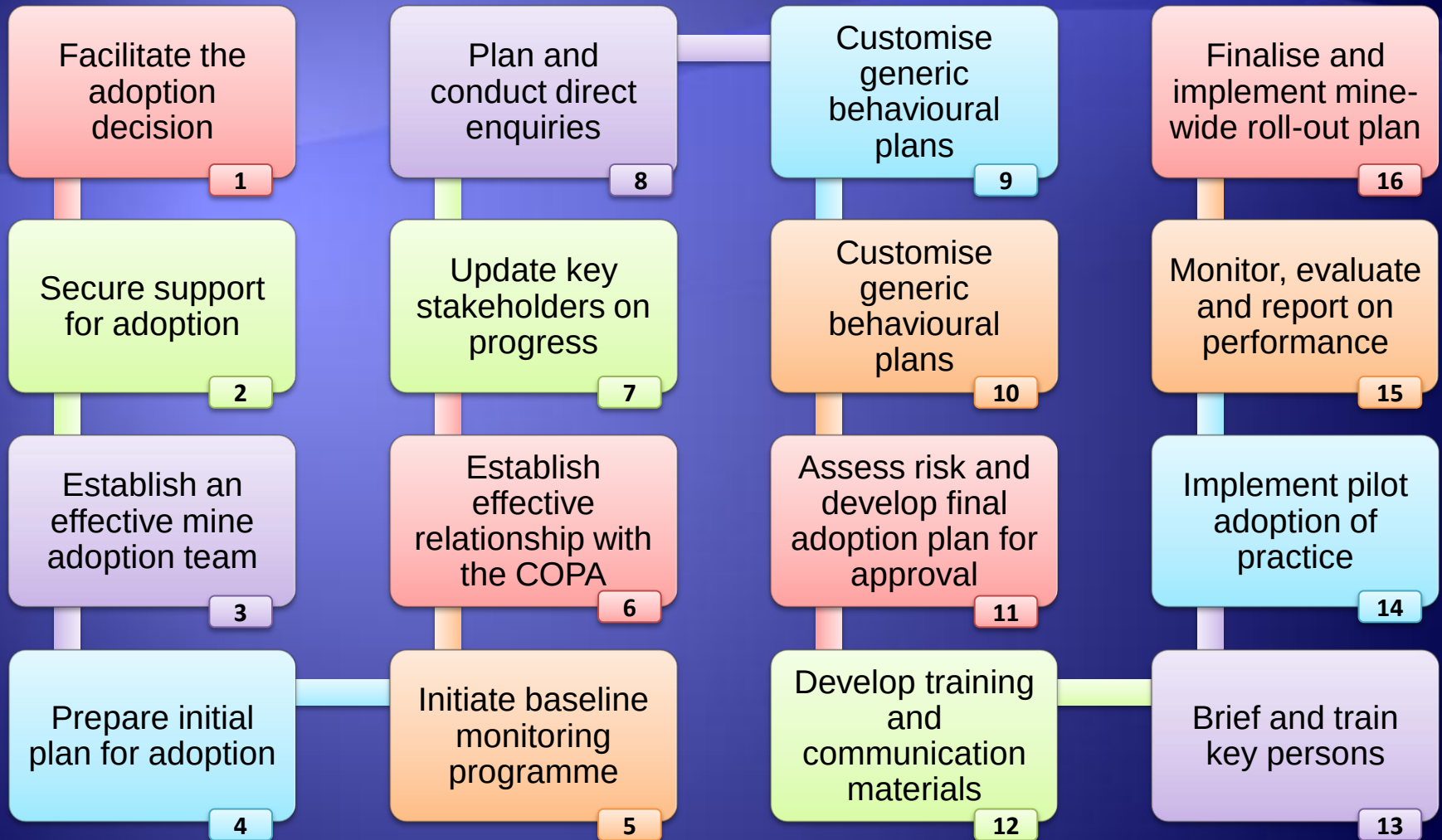
The Adoption Process



Leading the change to zero harm



The 16 steps for adoption of a leading practice





Foundation for Adoption

By Gerrie

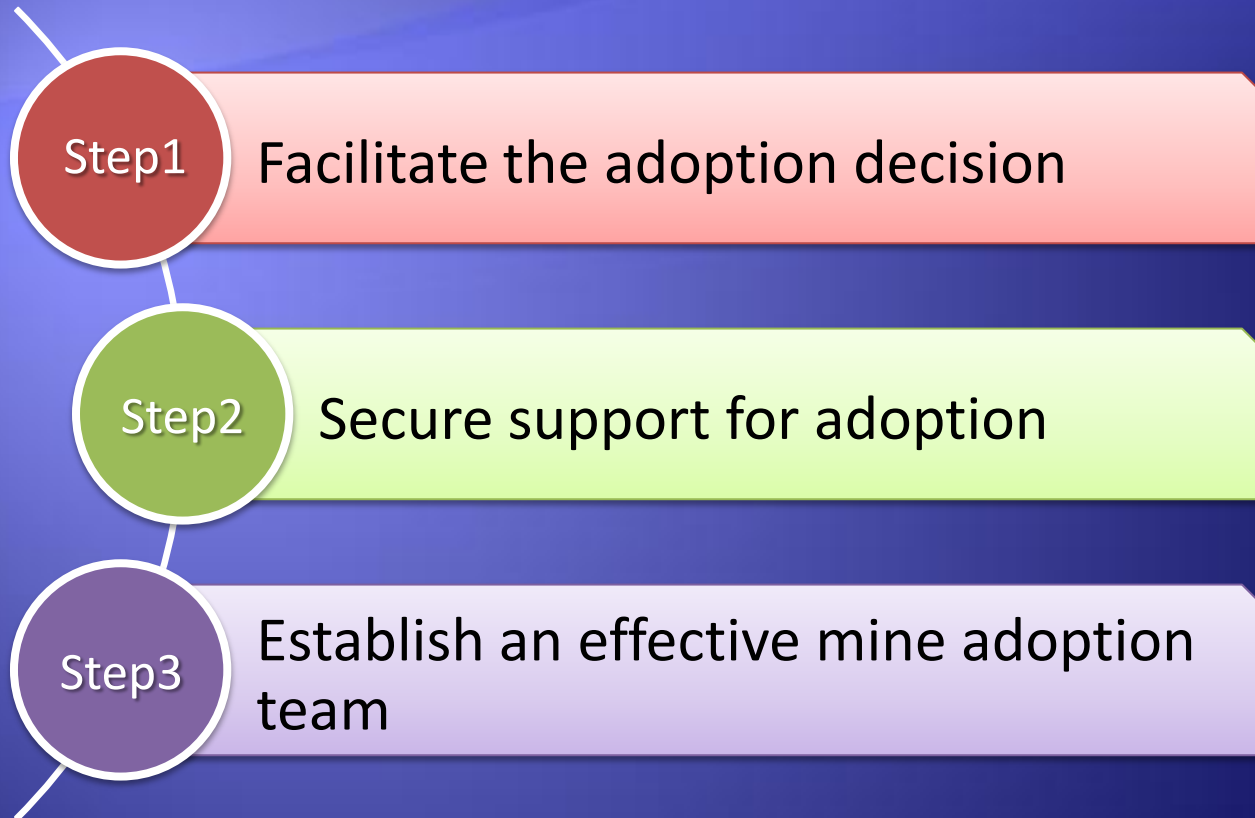


Leading the change to zero harm



Foundation of Adoption

Adoption steps 1 to 3



The Senior Manager

What is expected – *based on decision to adopt*

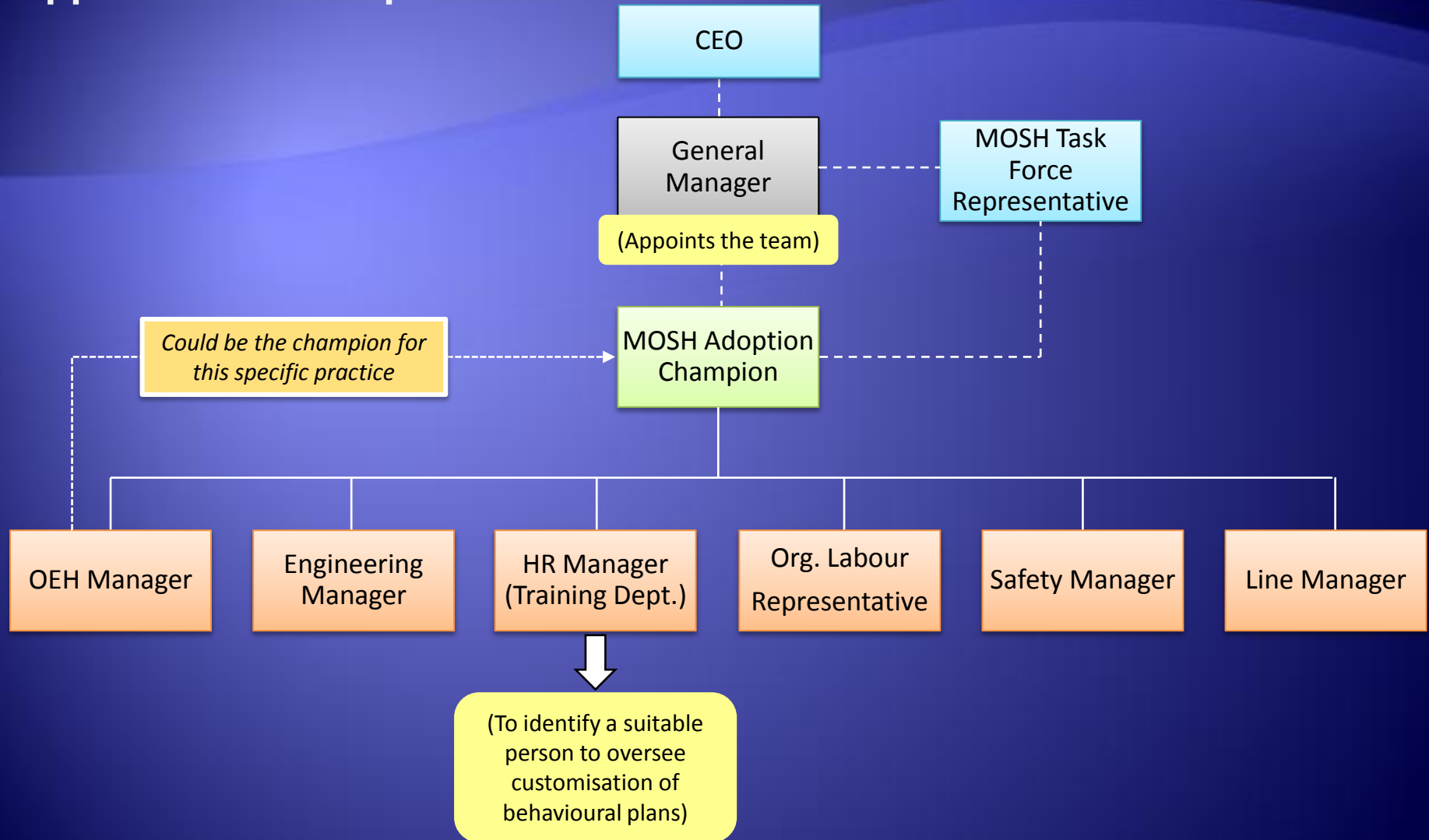
YOUR KEY TO SUCCESSFUL AND SUSTAINABLE ADOPTION



- Have a basic knowledge on MOSH process
- Basic knowledge on adoption steps
- Understand the principle of the leading practice

Typical Mine Adoption Team

Appointed for this practice



For more information
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of Mines

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