

MINING AND MINERALS SECTOR

R&D Roadmap for Technologies in Support of Rehabilitation of Abandoned and Mined-out Area

| | | |
|------|---------|-------------------|
| Done | Ongoing | Not yet Available |
|------|---------|-------------------|

Overall Strategies

Human Recourse

- Training of at least 5 Metallurgical Engineers in bimetallic extraction from AMD
- At least 5 Environmental Engineers involved in projects
- At least 2 Foresters and 1 Soil Scientist involved in mine rehabilitation project
- Immersion abroad of local researchers on advance technologies for rehabilitation technologies of mined-out area/legacy/abandoned mines
- Online workshops with stakeholders and mining companies

R&D Technologies

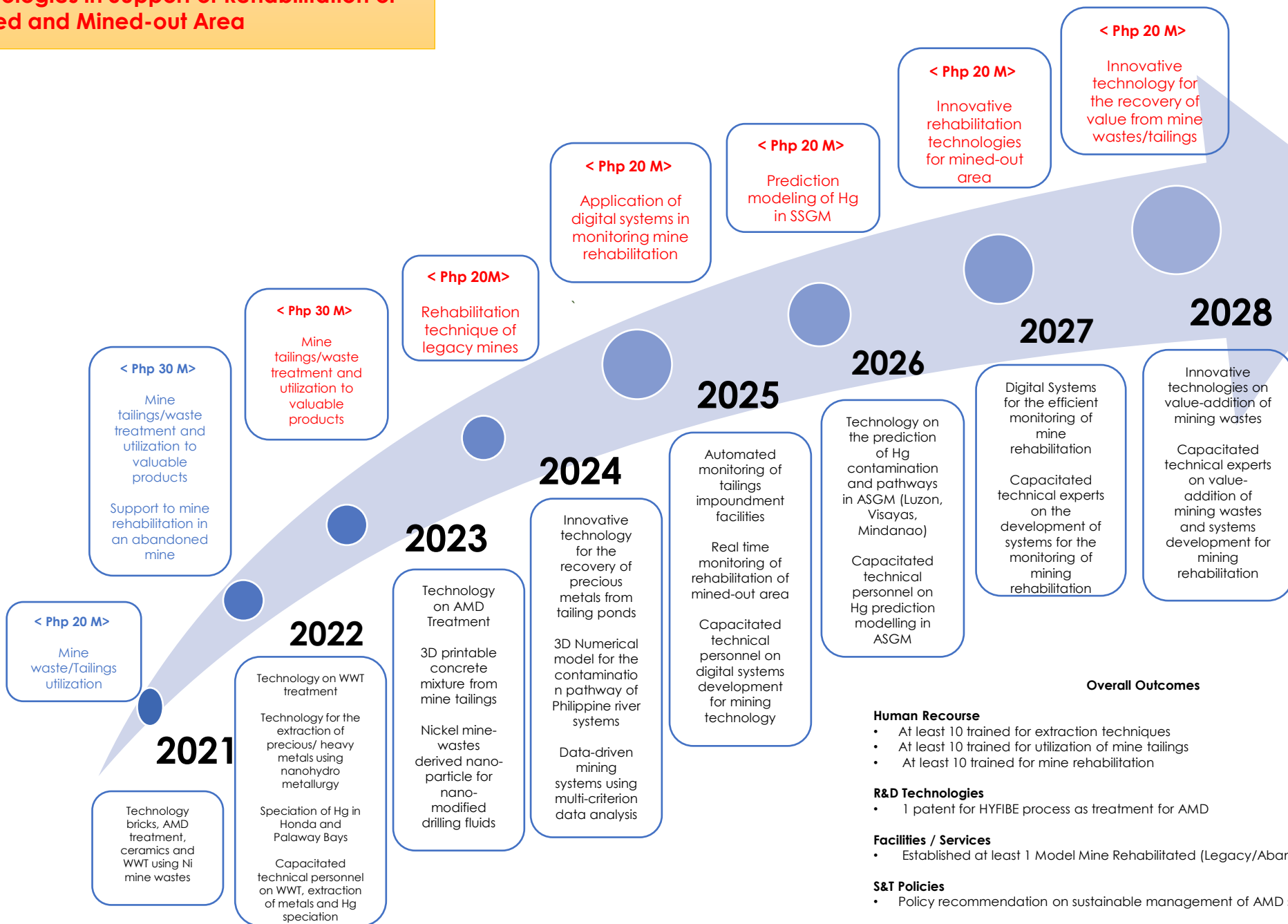
- Treatment of AMD using Hybrid Ferrite-Bimetallic technique
- Technologies for the remediation and rehabilitation of abandoned and legacy mines
- Monitoring of progressive rehabilitation of existing mining
- Integrated assessment of mercury contamination and mercury speciation in Honda Bay

Facilities / Services

- Establishment of a Model Mine Rehabilitated (Legacy/Abandoned)

S&T Policies

- Creation of policy to encourage mine companies to utilize their mine waste
- Policy recommendation in other alternative way of treating AMD



VISION:
Appropriate technologies to reduce negative environmental impacts and improve mine rehabilitation techniques