



Namibia

Oil and Gas Conference

**SKILLS DEVELOPMENT AND
TRAINING IN THE OIL AND GAS
SECTOR OF SOUTH AFRICA**

**By Yershen Pillay
CEO of CHIETA**

OVERVIEW

1. Who is CHIETA?
2. What do we do?
3. Our discretionary grant model
4. Our partners
5. CHIETA's five-factor collaboration model
6. SMART Skills Centres and VR-based training
7. The potential for green hydrogen
8. Seven (7) key levers for green hydrogen development

1. WHO IS CHIETA?

“The **Chemical Industries Education and Training Authority of South Africa** or CHIETA is a statutory body that was established by the Skills Development Act in 1998. CHIETA’s role is to facilitate skills development and training by identifying skills gaps and providing solutions to close those gaps in the chemical and manufacturing industries. CHIETA’s largest sub-sector is oil and gas. All oil and gas companies whose gross annual remuneration exceeds R500 000 per annum pay a 1% skills development levy to CHIETA.”

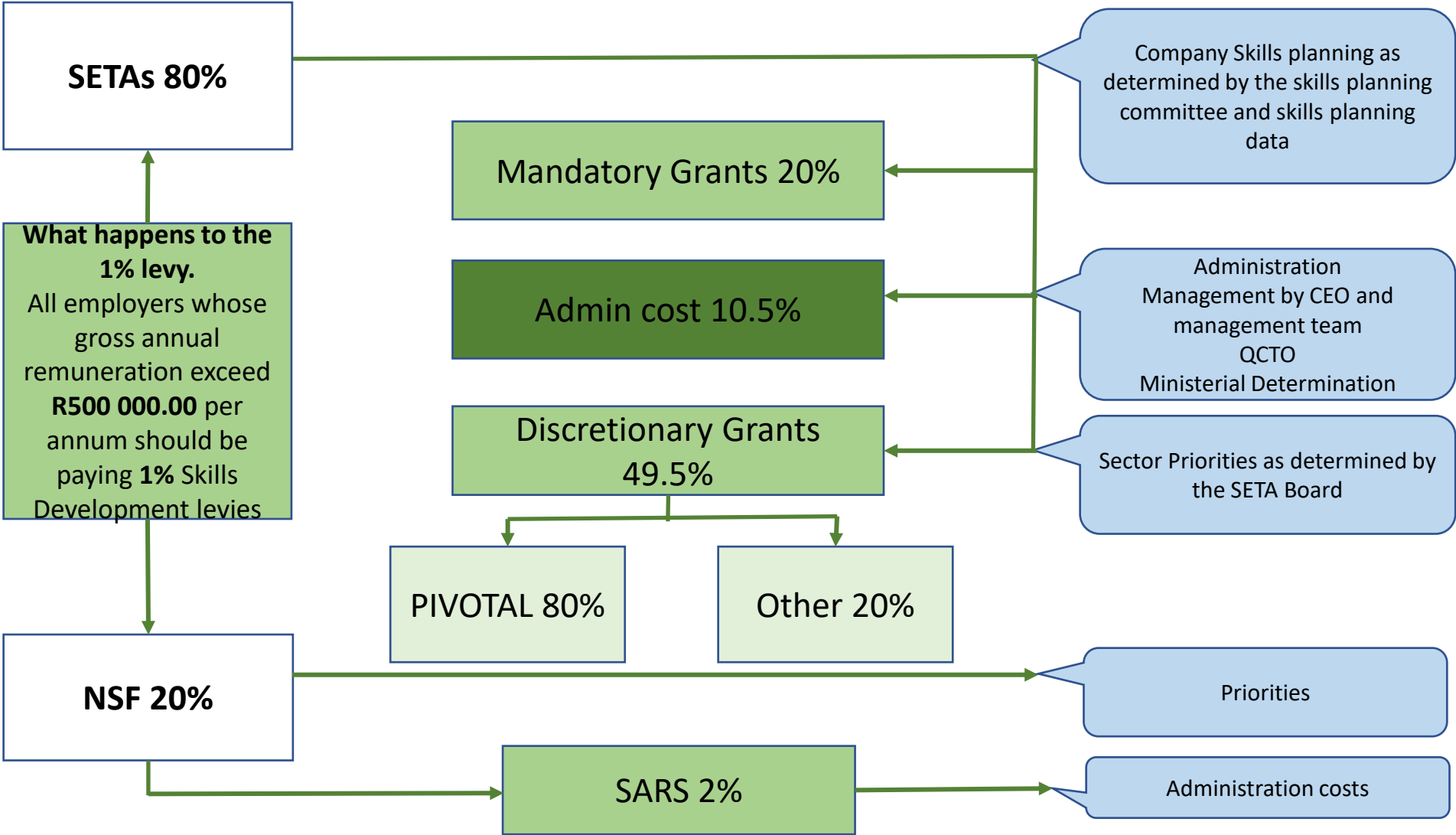
2. WHAT WE DO?



3. OUR DISCRETIONARY GRANT MODEL

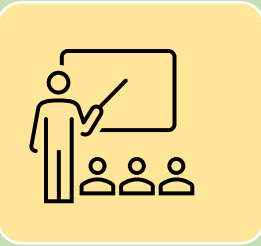


GRANT/LEVY BREAKDOWN



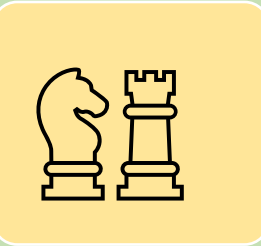
3. OUR DISCRETIONARY GRANT MODEL

Discretionary Grants are aimed at encouraging stakeholders to contribute towards skills development



Learning Programmes

- Adult Education and Training (AET)
- Apprenticeship
- Learnerships (Artisan and non-artisan related)
- Bursaries Undergraduate & Postgraduate
- Work Integrated Learning (WIL)
- Skills Programmes and Recognition for prior learning (RPL)



Strategic Projects

- Support to Small Business, Cooperatives, NGOs, CBOs and CBCs
- Trade Union Support
- Career Guidance and Development
- STEM programmes for young women
- Bridging the digital skills divide
- Technical and Vocational Education and Training(TVET) Support



Research Projects

- Research interventions to develop COVID 19 vaccine
- Support Industry-University Partnerships
- PhD Level and Post-Doctoral Level Bursaries
- Development of learning materials

4. OUR LEVY PAYERS AND PARTNERS



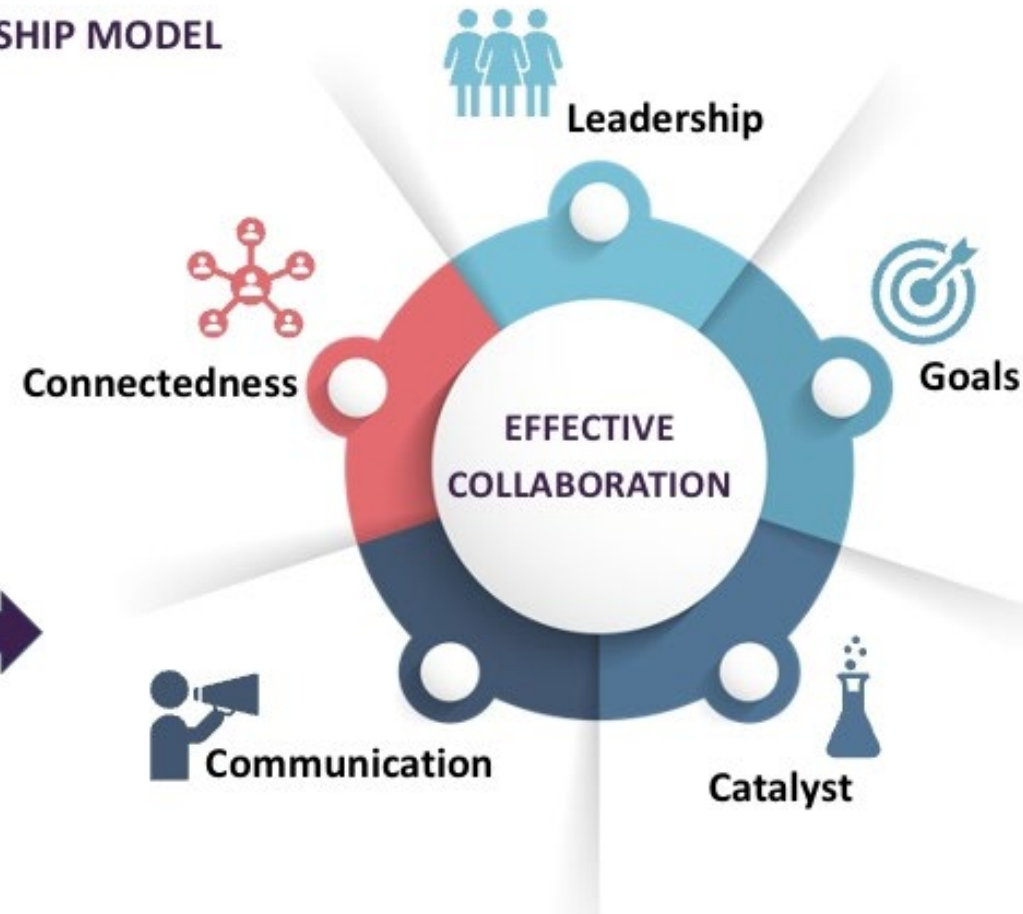
PetroSA



5. CHIETA'S FIVE-FACTOR COLLABORATION MODEL

CHIETA'S FIVE-FACTOR PARTNERSHIP MODEL

In applying the collaboration “checklist” and its 13 factors by Borden and Perkins (1999), five factors were identified as the most essential for success



6. SMART SKILLS CENTRES AND VR-BASED TRAINING



6. POSITIVE BENEFITS OF VR TECHNOLOGY

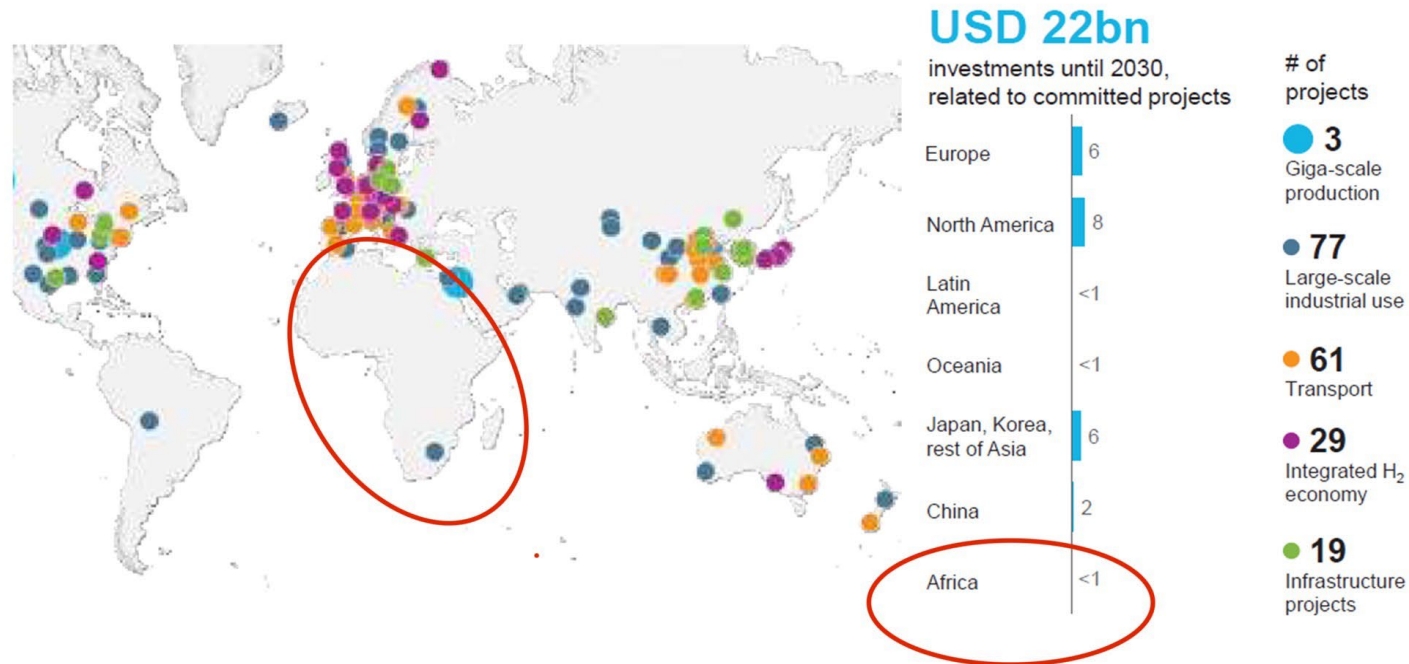


Source: PwC VR Soft Skills Training Efficacy Study, 2020

7. THE POTENTIAL FOR GREEN HYDROGEN

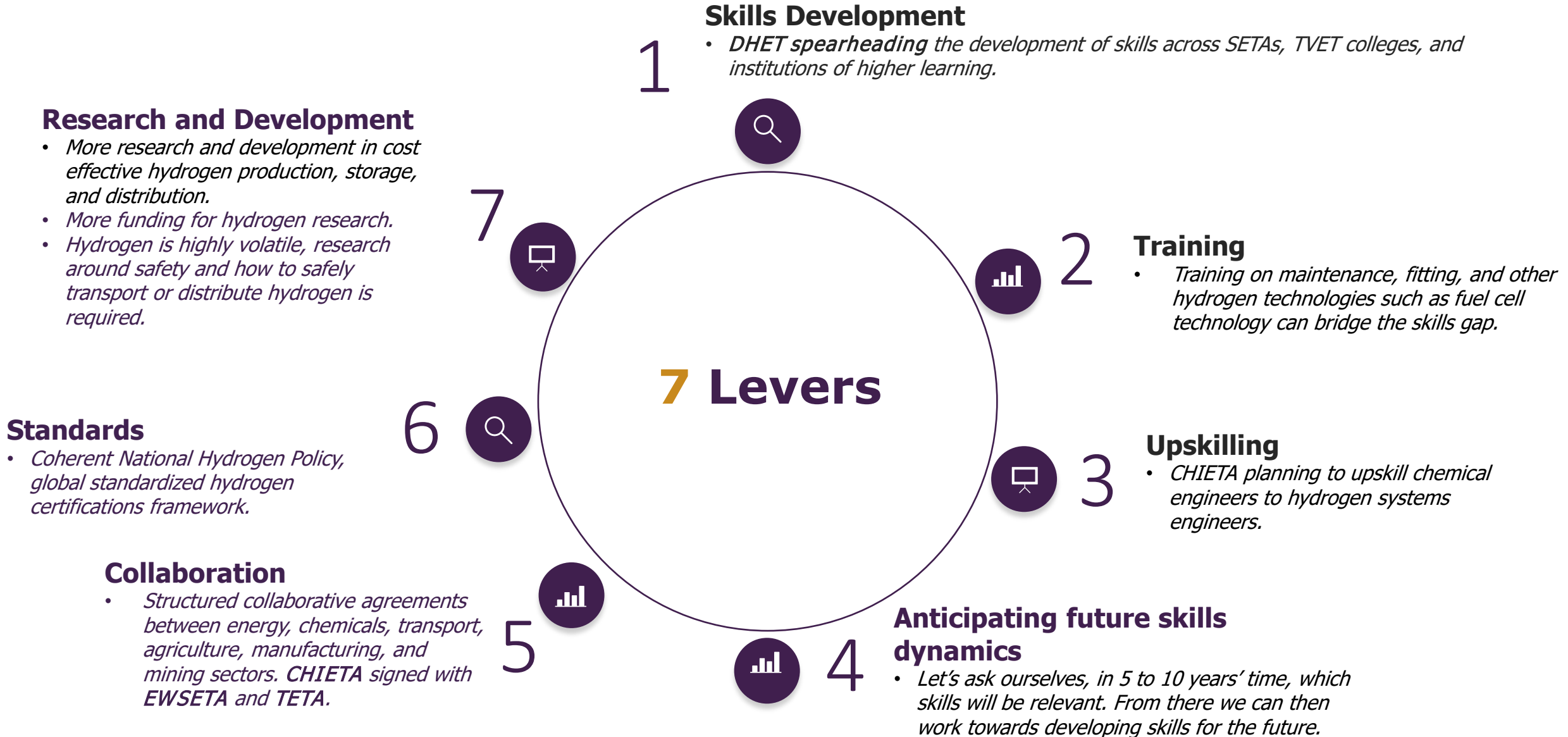
Africa has the potential to capture up to **10%** of the global green hydrogen market (Masdar-ADSW Report, 2022).

... and only about 10% of investments have achieved final investment decision



¹ 680 projects announced globally of which 534 are (partially) deployed until 2030

8. SEVEN (7) KEY LEVERS FOR GREEN HYDROGEN DEVELOPMENT



THANK YOU



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SCAN ME



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