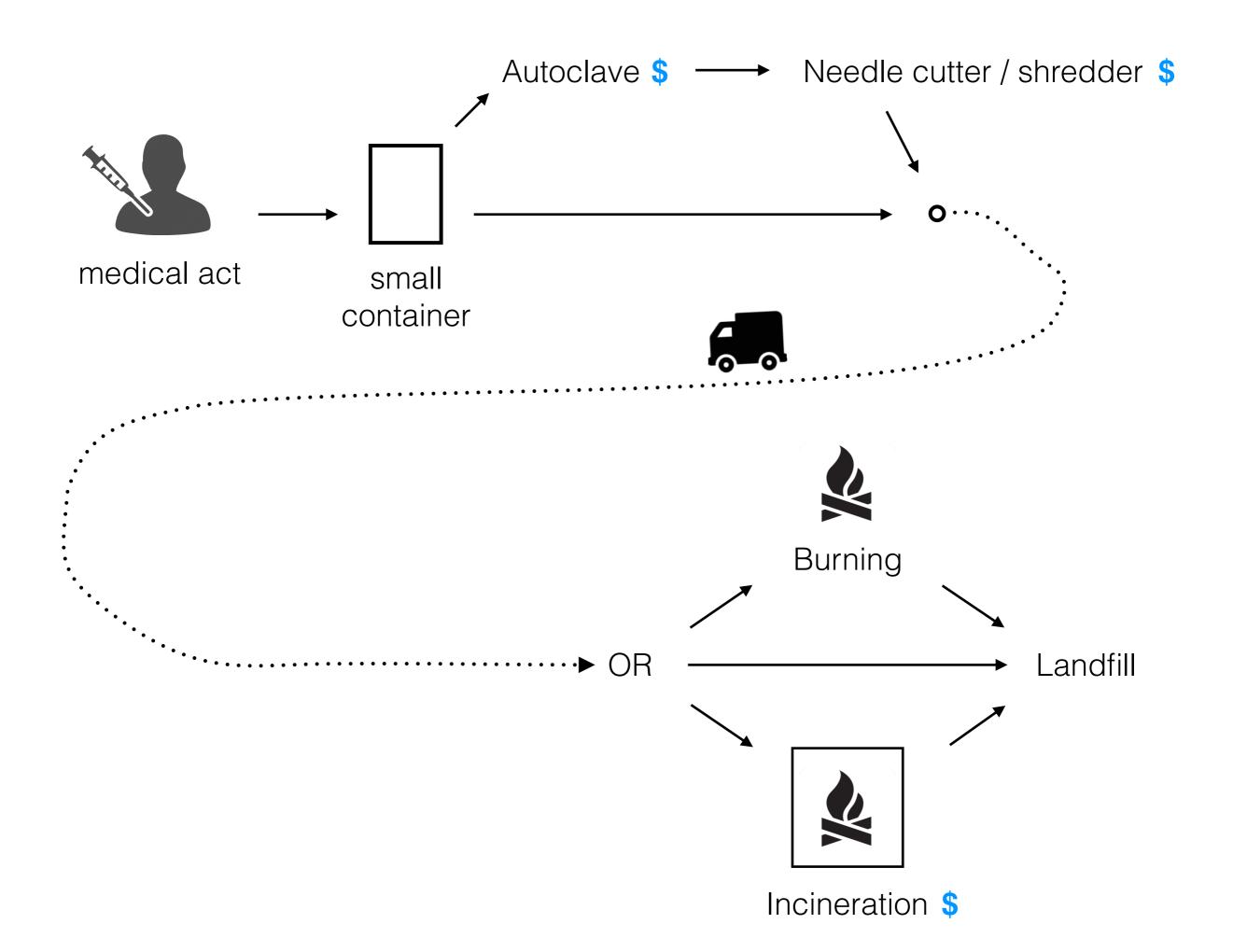
Needles Needs

Pier 85 ~ Field-Ready Hospital Waste



Needle disposal process



Existing solutions

	SAFETY BOX	Stars contains Is A R PS 		
	Carton box	Plastic box	Needle shredder	Smart needle
Cheap	•	×	×	(🗙)
Needle re-use impossible	×	~X	•	(🗙)
Safe from pricking injuries	×	~	×	\checkmark
Applicable	(🗙)	(X)	(X)	(🗙)

Current Issues

- 1. Availability of disposal containers but non use
- 2. The use of puncturable plastic bottles as containers (causing increased likelihood of pricking)
- 3. Two handed recapping of needles (causing increased likelihood of pricking)
- 4. Incineration at the wrong temperatures (toxic fumes, not disinfecting)
- 5. Scavengers at landfills pricking themselves on sharps
- 6. Reuse of needles or syringe vials
- 7. Resale of scavenged, possibly contaminated needles

Our hardware ideas

	Needle cutter	Needle bender	Better carton box	Better plastic box	Needle disposal out of PET bottle
Cheap	×	×	•	×	•
Needle re-use impossible		•	×	•	×
Safe from pricking injuries	×	×		•	×
Applicable			(🗙)	(🗙)	×

Behavioural ideas

- If the lack of knowledge of risks and safe disposal process is the problem
 - provide stickers for good practice and warnings of handling medical waste
- If knowledge is not the problem, how can we increase the use of the safer process by health workers?
 - ➡ incentivise the use of the box and proper disposal
 - create better habits for health workers

Pictogram concept

