

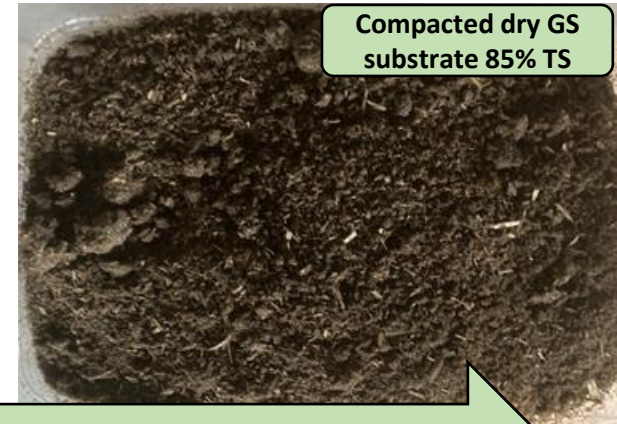
GUDP - BioSubstrate

Development, test and demonstration on

AST / Green Substrate products from degassed biofiber

From problematic residuals to:

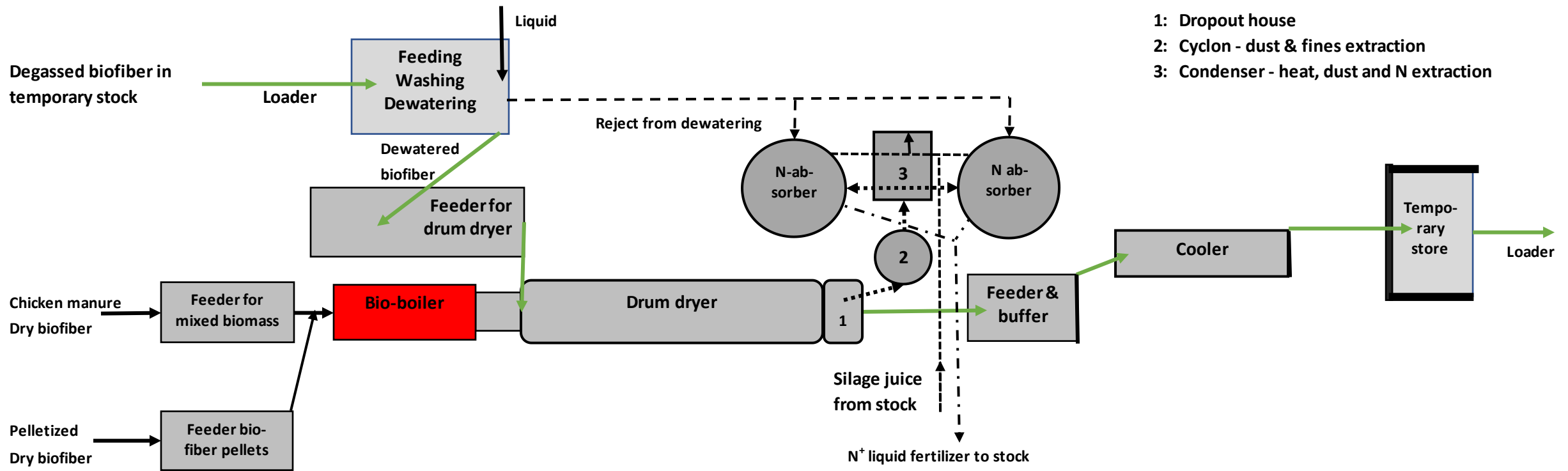
new Green Substrates with added value



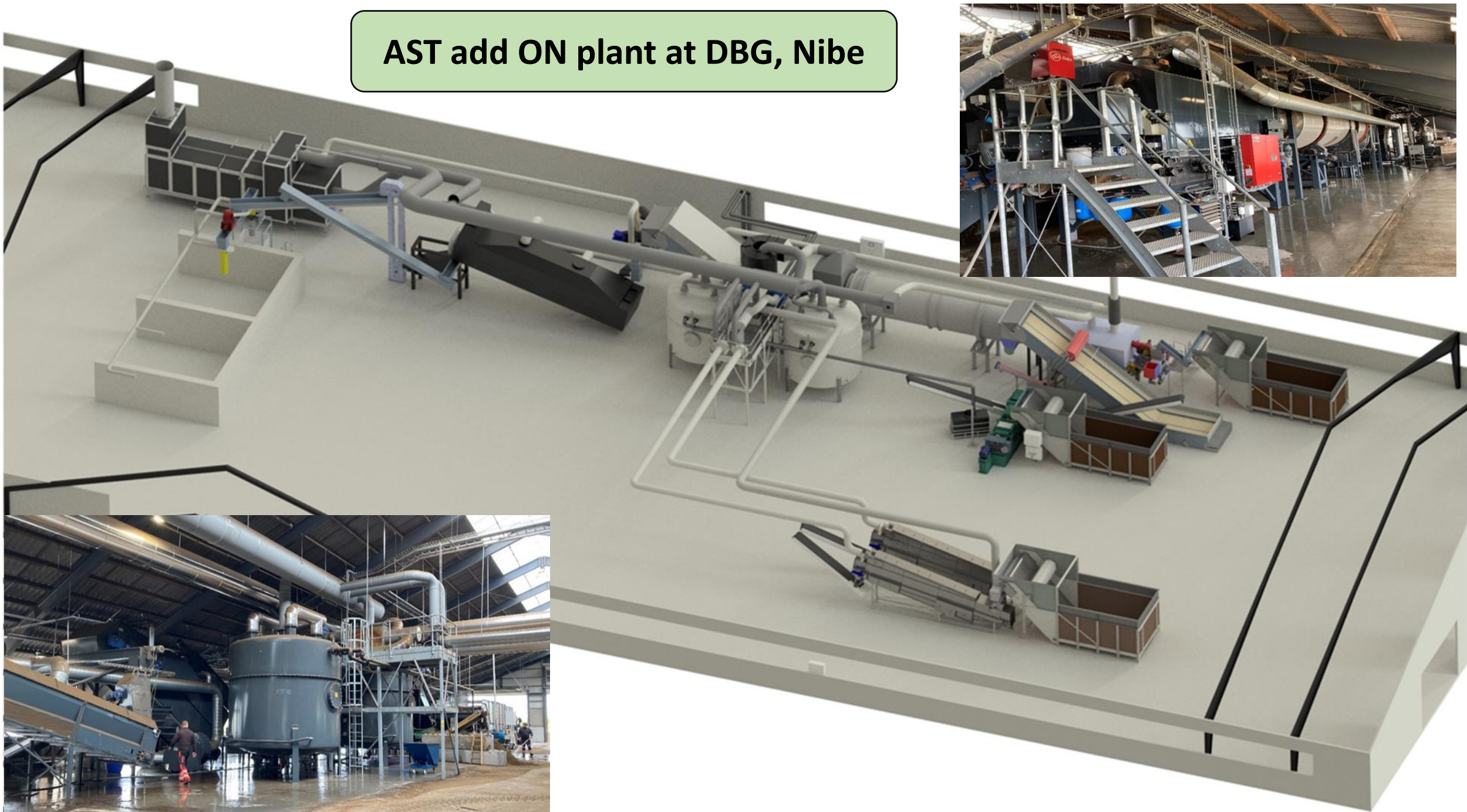
AST add ON processing (patent granded – EU+US)



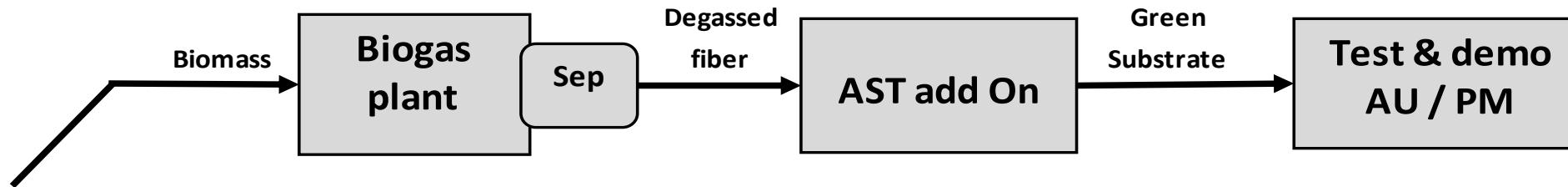
AST add On – Green Substrate processing (patent granded – EU + US)



AST add ON plant at DBG, Nibe



Biomass + Biogas plant + Degassed fiber Green Substrate processing + Test & demo



Plant & biomass input	LM	DL	SG	SM	ST	SB	SW	GLY	AST add ON proces	Results	EC	Na	Cl	K
AU-Foulum	Yes	Yes	Yes	Yes	Yes	No	No	No	Dewatering + drying					
BB-Biogas	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Dewatering + drying					
									Washing + dewatering + drying					
Vrejlev Biogas	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Dewatering + drying					
Nørreris Biogas	Yes	Yes	No	Yes	Yes	No	No	Yes	Dewatering + drying					
Vesthimmerlands Biogas	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Dewatering + drying					
									Washing + dewatering + drying					
									2*Washing + dewatering + drying					
									Washing + dewatering + drying					
									+ drying + dust elimination					
Rybbjerg Biogas	Yes	Yes	Yes	No	Yes	No	No	No	Washing + dewatering + drying					

Note

LM	Liquid manure	SG	Silage grass	ST	Straw	SW	Slaughterhouse waste
DL	Deep litter	SM	Silage maize	SB	Sugar beets	GLY	Glycerin from industry